

Supplementary Figure legends

Supplementary Figure 1 Bright-field images of N2a cells and NTA profiles of N2a EVs after 48h

(A) Representative picture of N2a cells cultured in either OptiMEM or pre-spun media for 48h. Arrows indicate the long outgrowth from the N2a cells. (B) NTA size distribution profiles of N2a EVs collected at 48h.

Supplementary Figure 2 Characterisation of NSC-34 and SH-SY5Y EVs derived from OptiMEM and pre-spun culture conditions

Total number of adherent NSC-34 cells (A) and concentration of particles (B) derived from NSC-34 cells cultured under OptiMEM and pre-spun conditions across the 5-day period. (C) Average mode size of the NSC-34 particles isolated from OptiMEM and pre-spun conditions. (D) NTA size distribution profiles of NSC-34 particles isolated from OptiMEM and pre-spun conditions. Total number of adherent SH-SY5Y cells (E) and total number of particles (F) derived from SH-SY5Y cells cultured under OptiMEM and pre-spun conditions for 48 h. (G) NTA size distribution profiles of SH-SY5Y particles isolated from OptiMEM and pre-spun conditions.

Supplementary Figure 3 Proteomics analysis on the N2a EVs isolated from OptiMEM and pre-spun conditions.

Proteomics reproducibility shown by the protein identification overlaps between biological replicates (A) and quantitative reproducibility between biological replicates (B). (C) Volcano plot of proteins identified in EVs from both pre-spun and OptiMEM. Proteins considered changed are indicated in red. (D) Complete GO enrichment (p-value and fold enrichment) for N2a EVs isolated from OptiMEM and pre-spun conditions. All GO enrichment of all protein data presented in the following groups: (i) cellular components, (ii-iii) panther protein classes, (iv-v) molecular functions, (vi-vii) biological processes and (ix-x) pathways of proteins.

Supplementary table legend

Supplementary Table S1

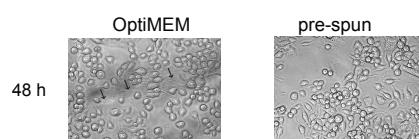
Table showing all proteins identified in all 3 replicates for both EVs isolated from OptiMEM and pre-spun condition.

Supplementary Table S2

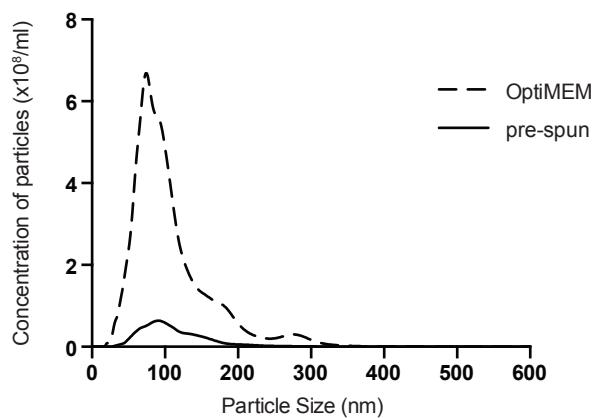
Table showing a subset of proteins which are found to be expressed at similar levels in both OptiMEM and pre-spun derived EVs.

Supplementary Figure 1

A

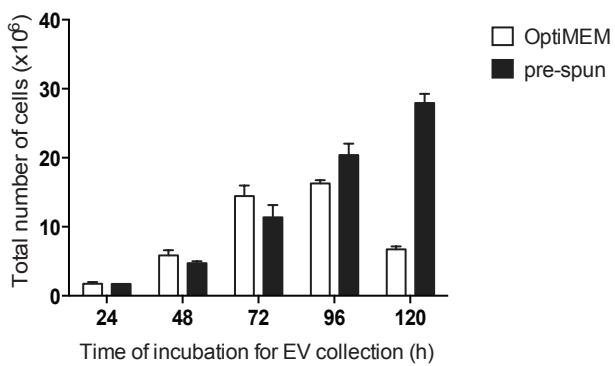


B

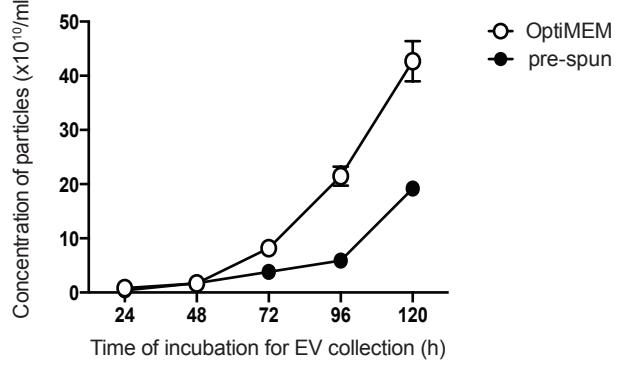


Supplementary Figure 2

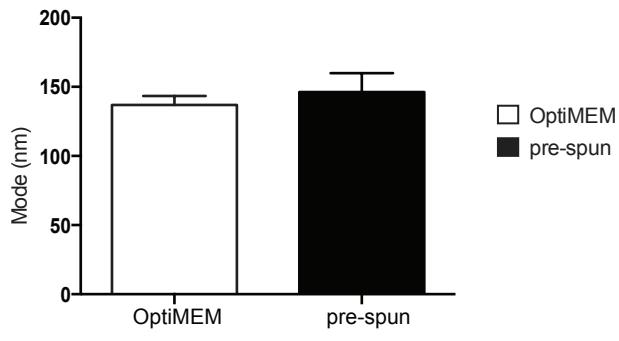
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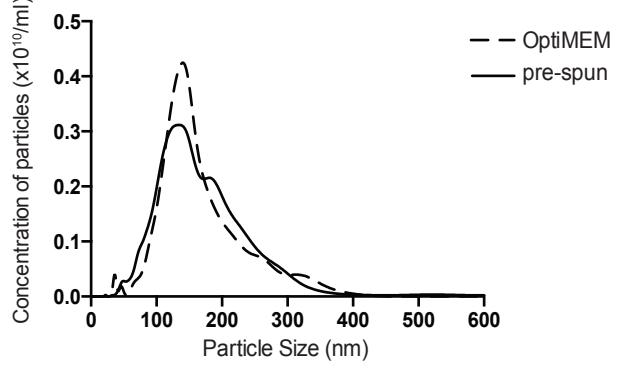
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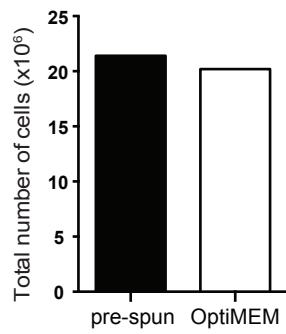
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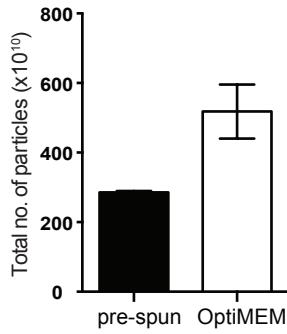
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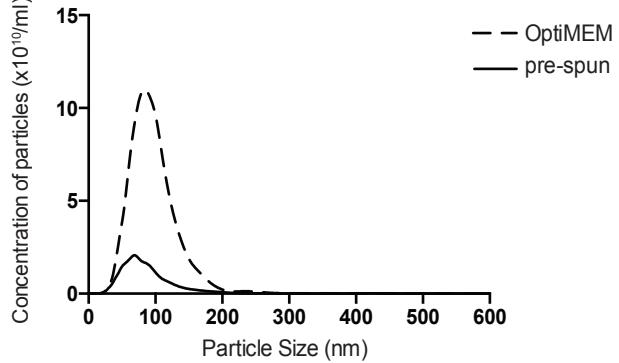
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F

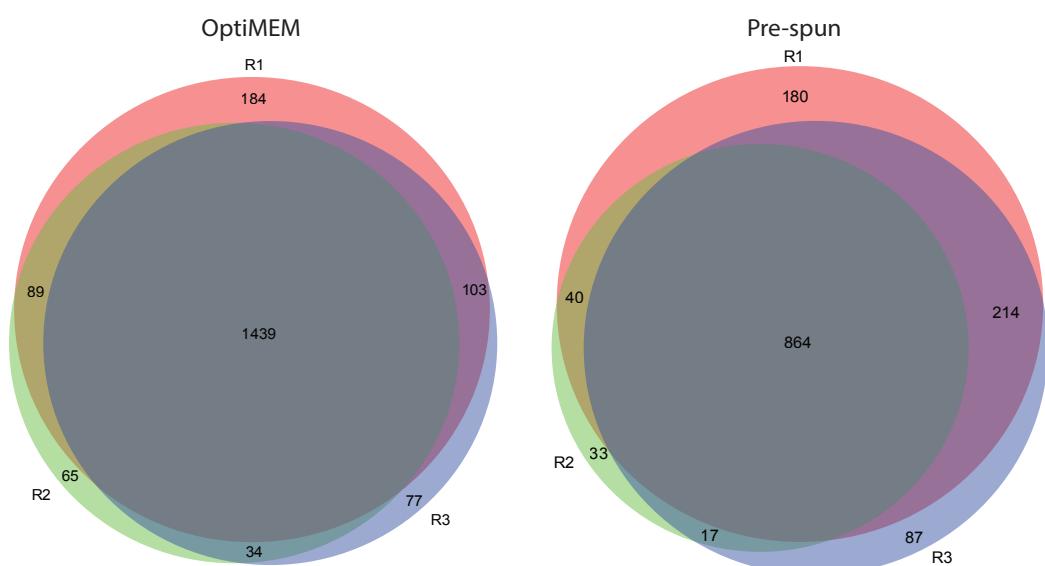


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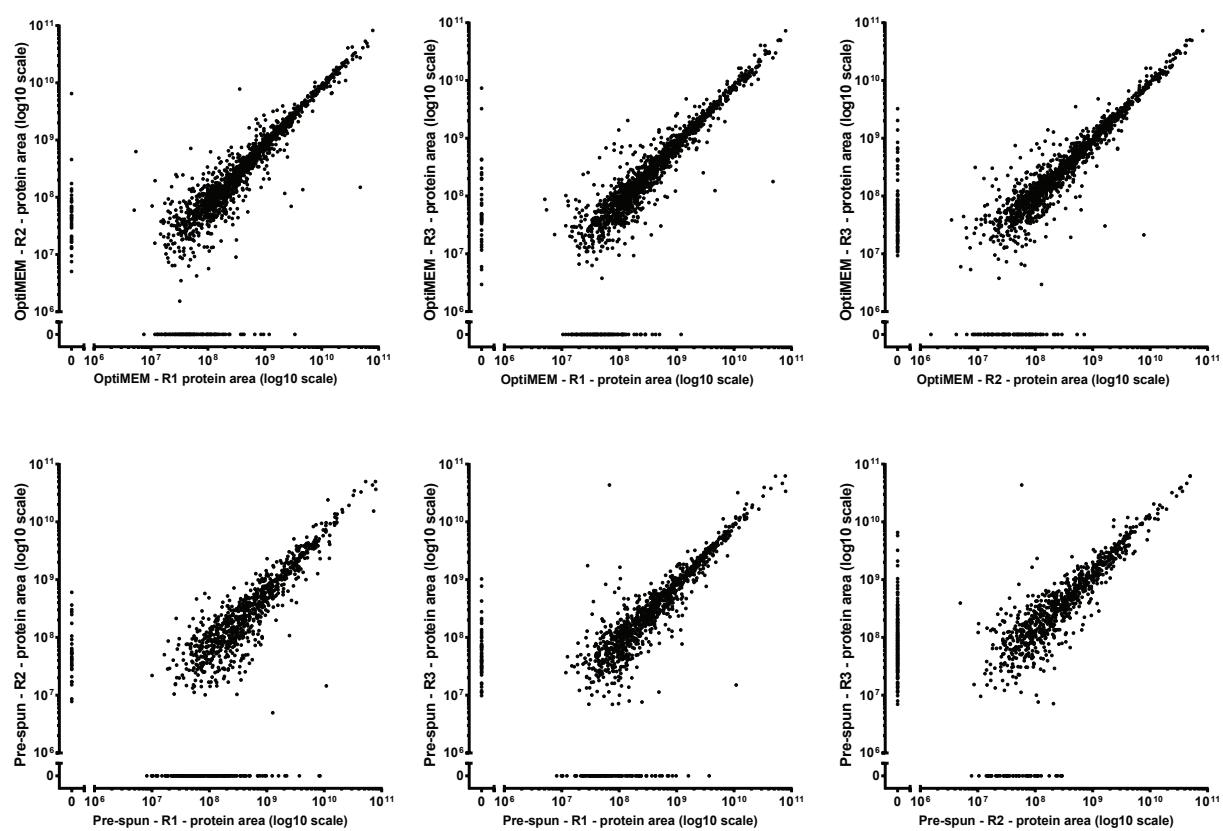


Supplementary Figure 3

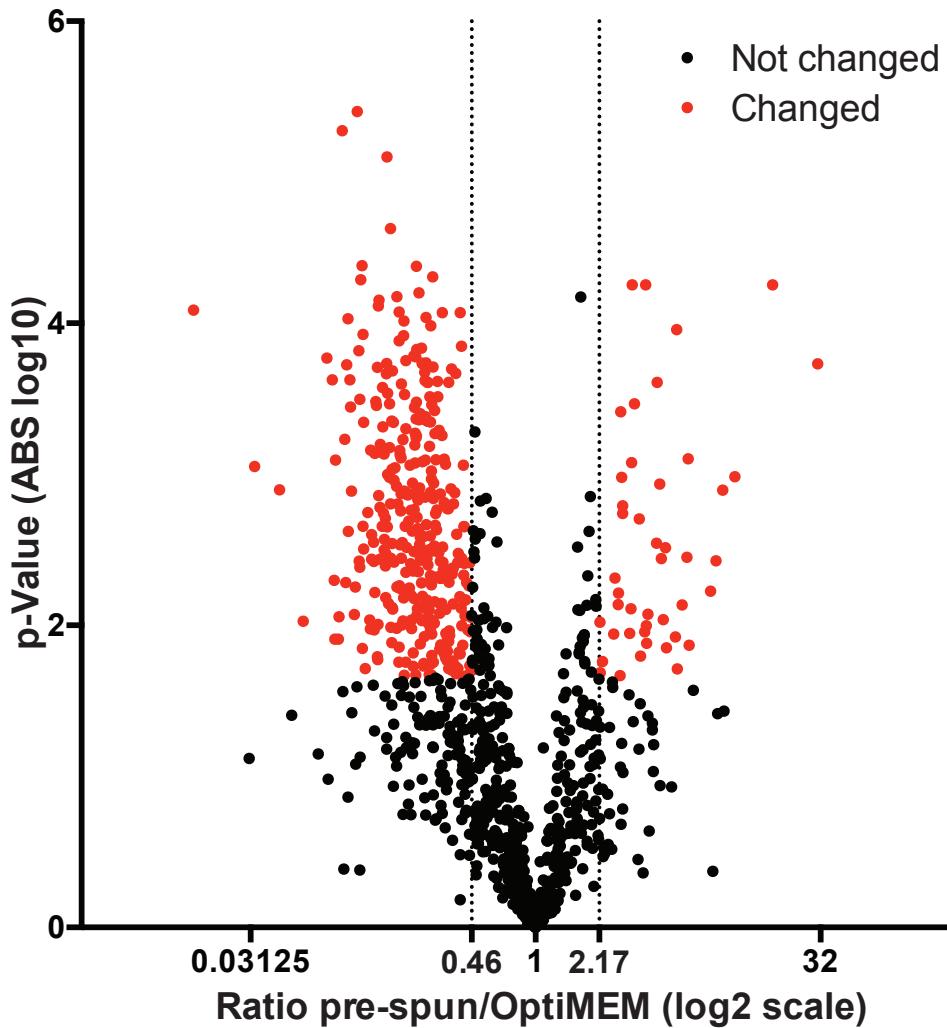
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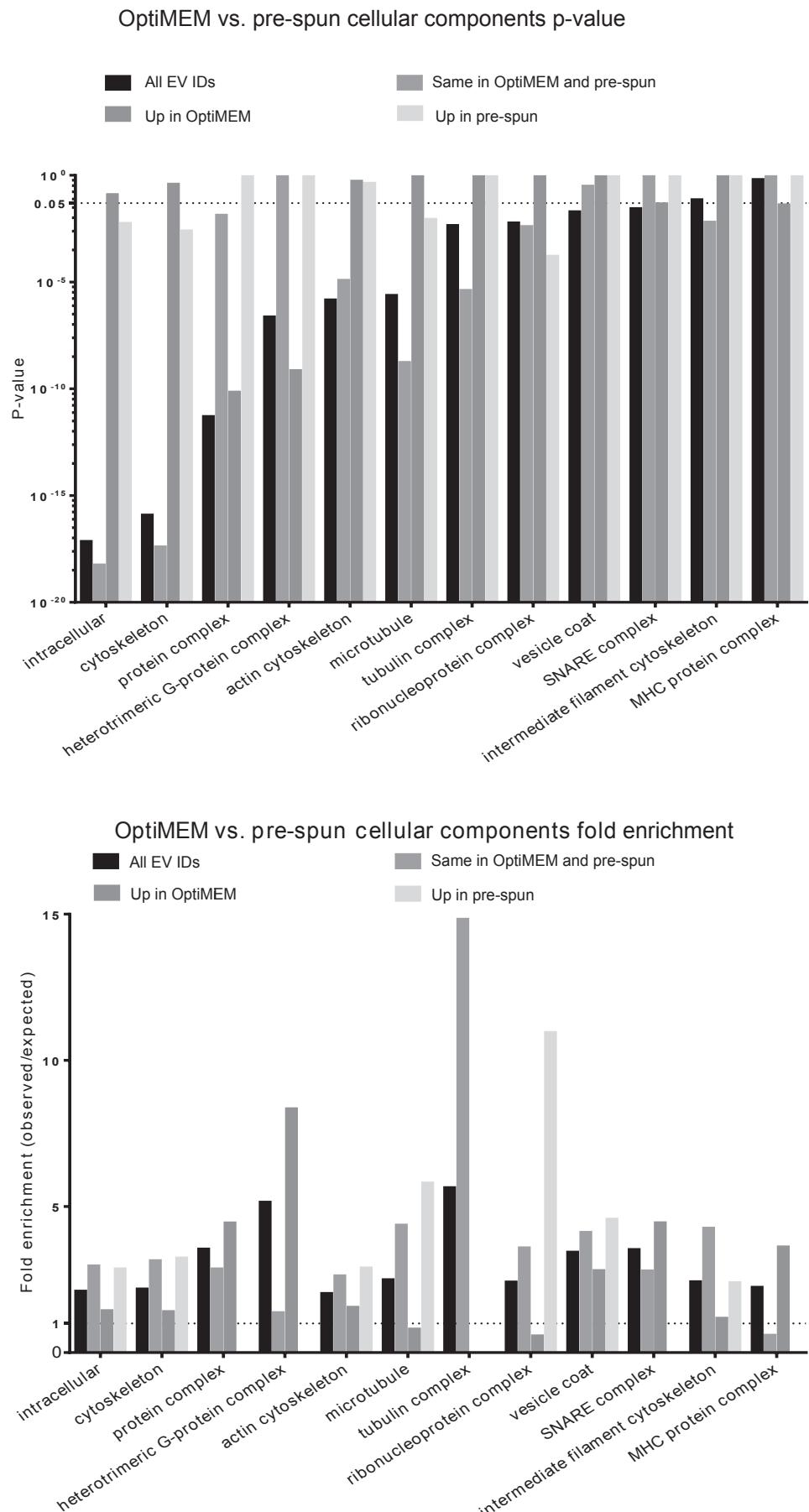
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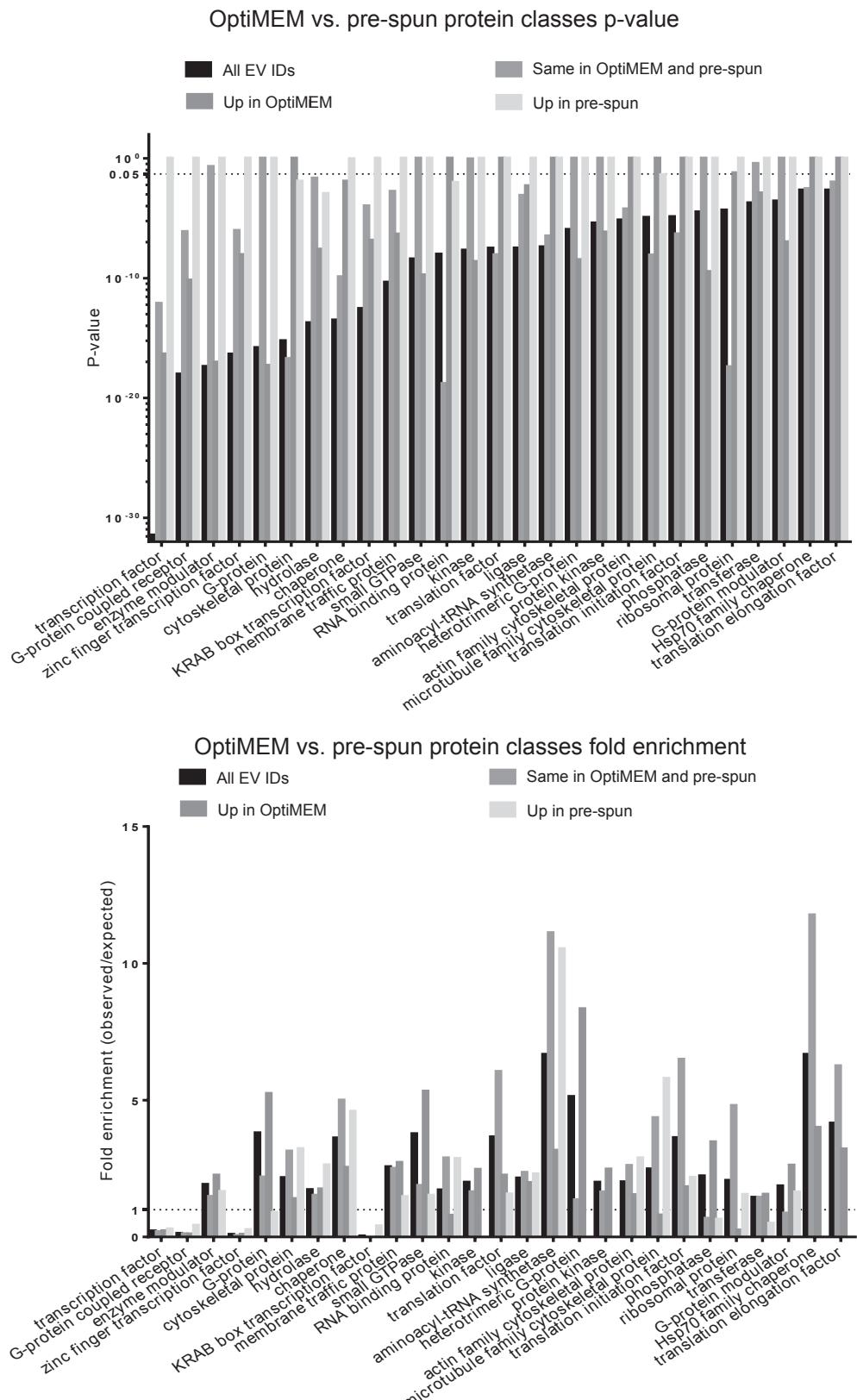
Supplementary Figure 3C



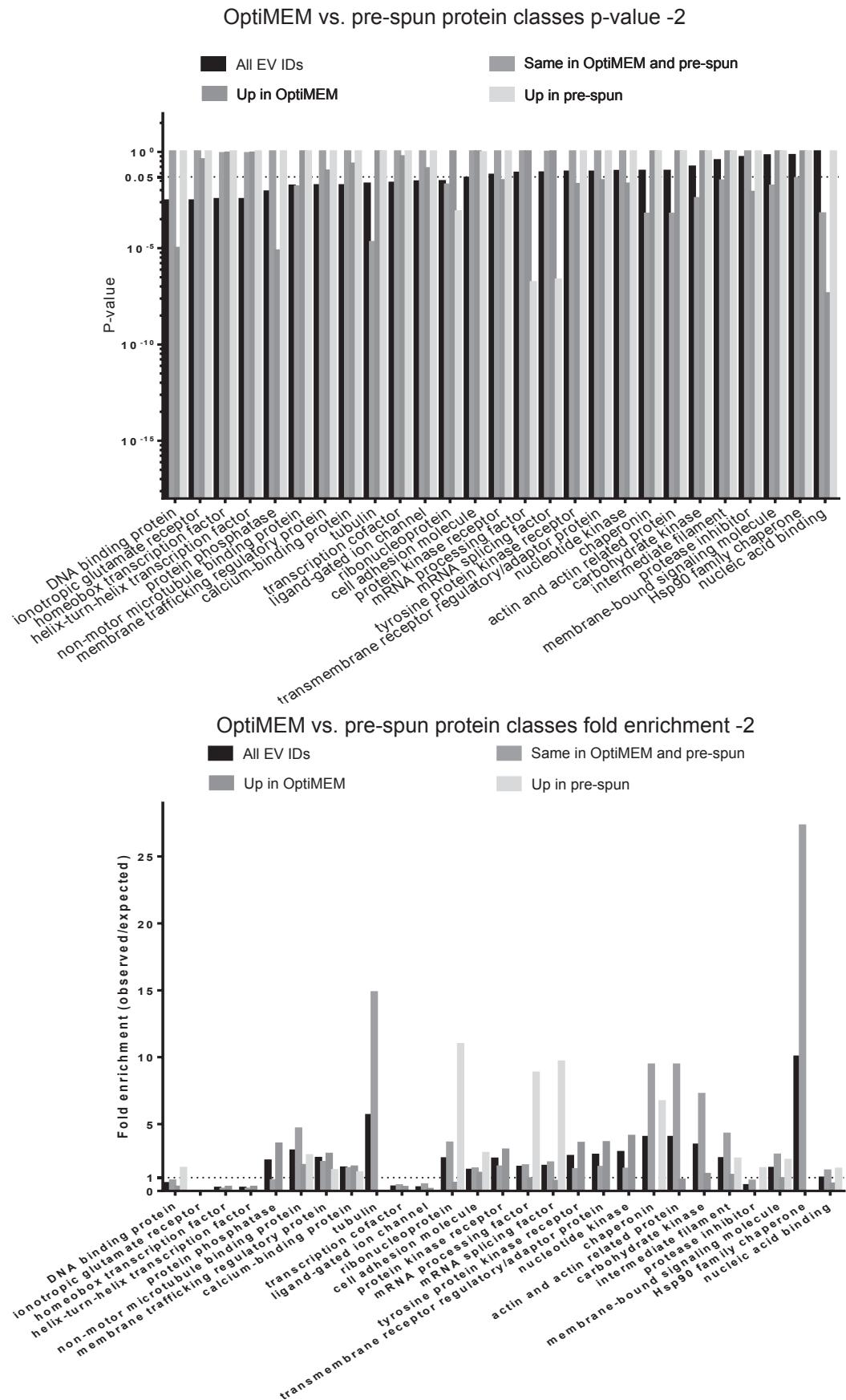
Supplementary Figure 3D (i)



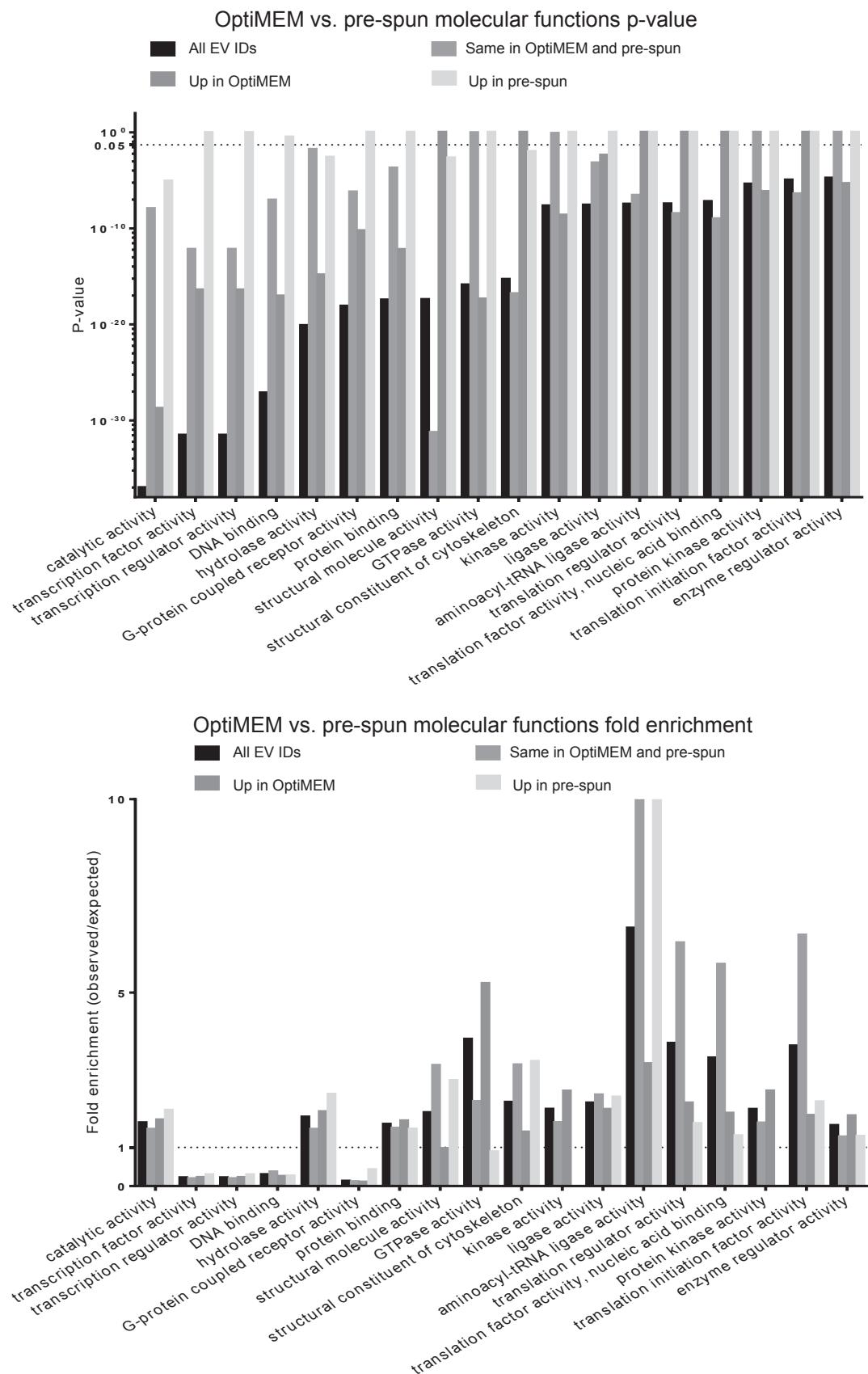
Supplementary Figure 3D (ii)



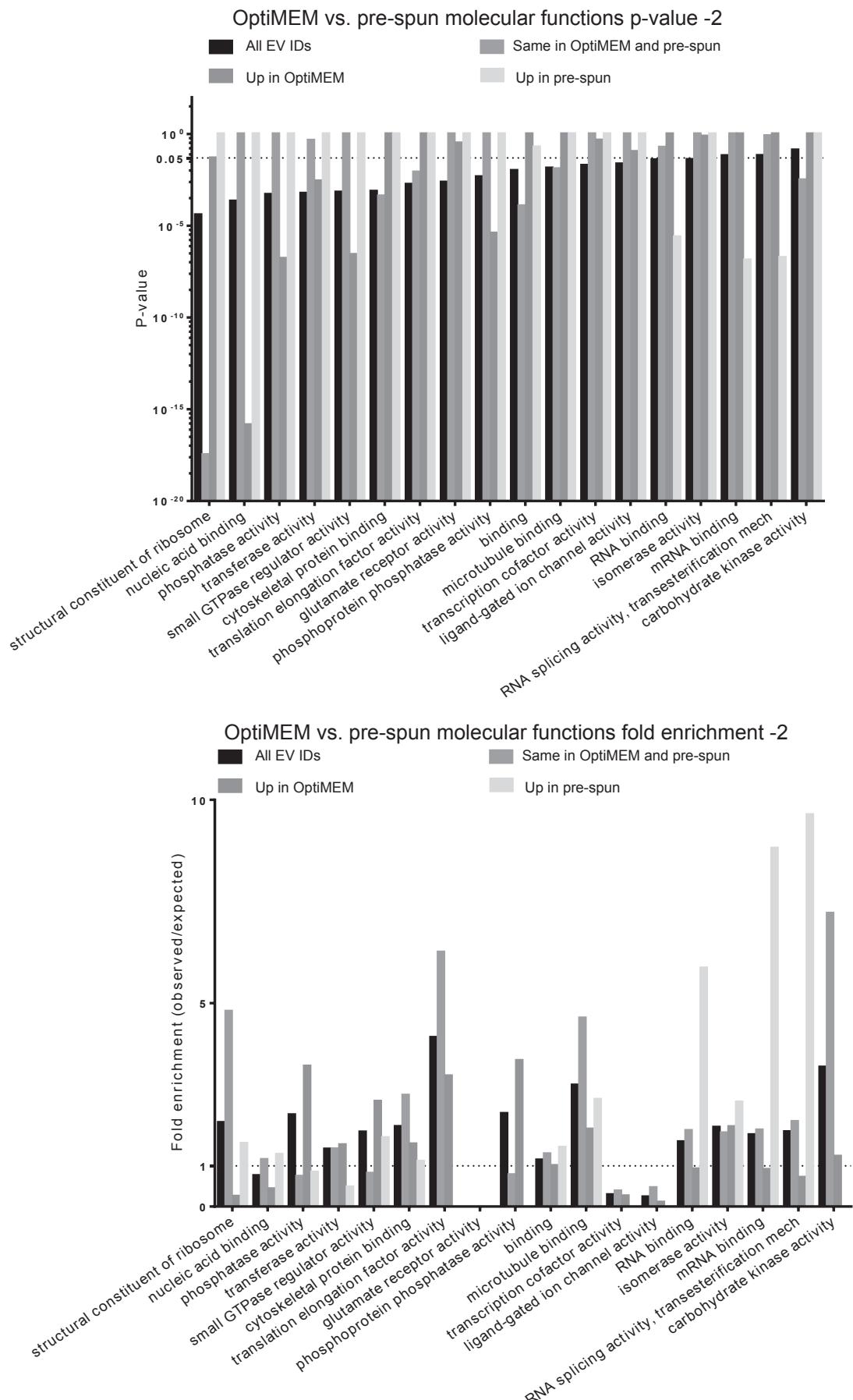
Supplementary Figure 3D (iii)



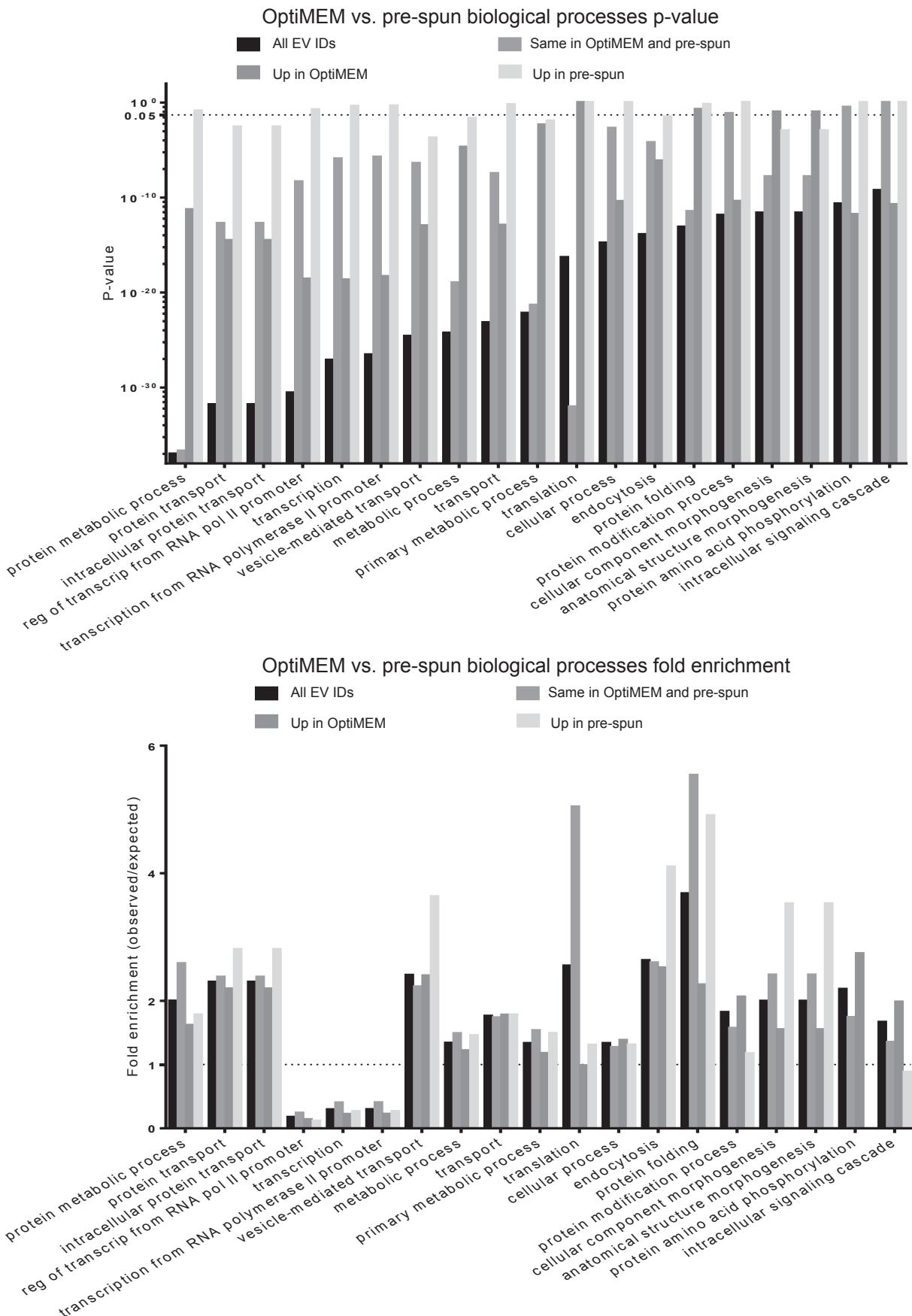
Supplementary Figure 3D (iv)



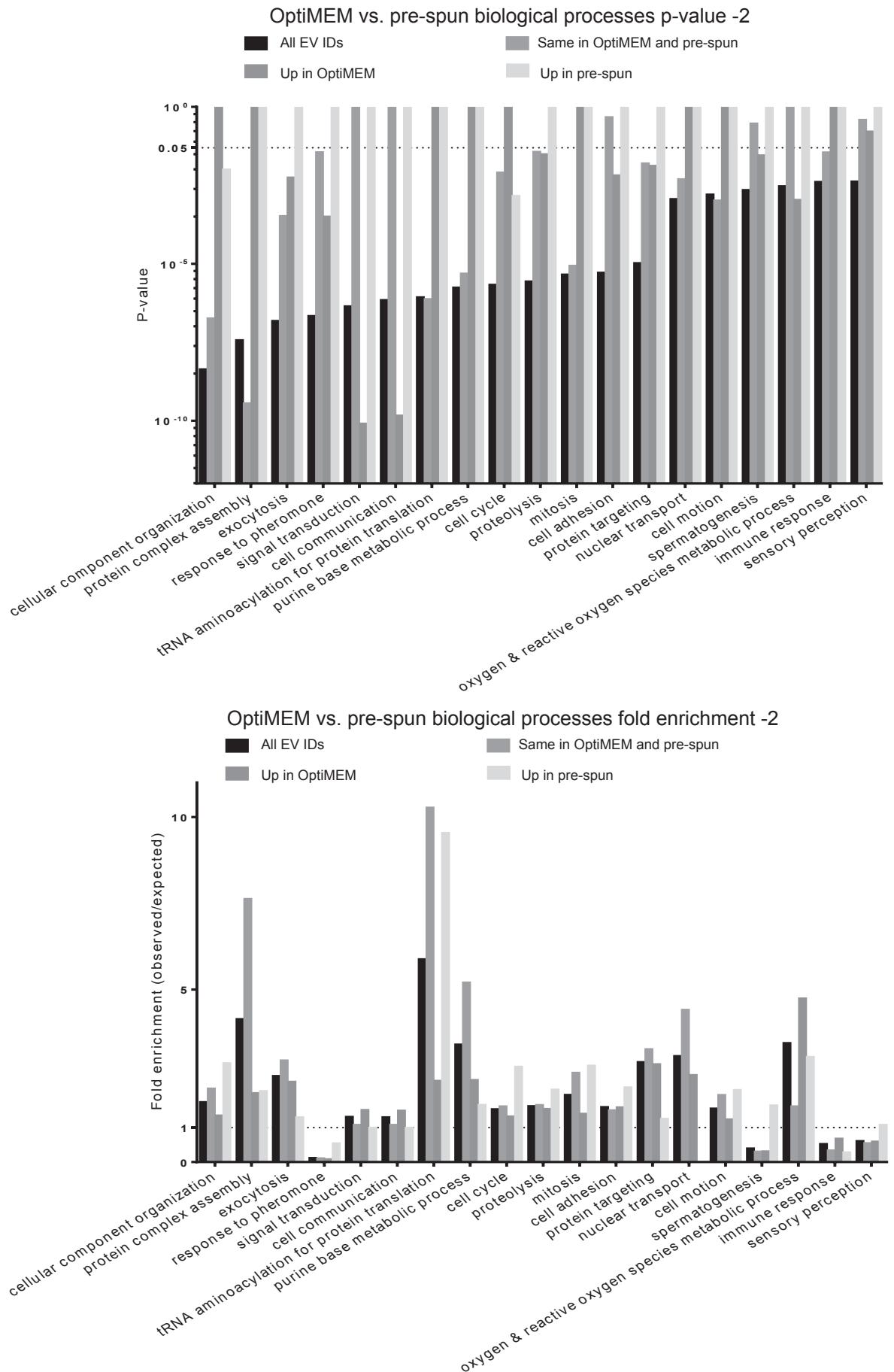
Supplementary Figure 3D (v)



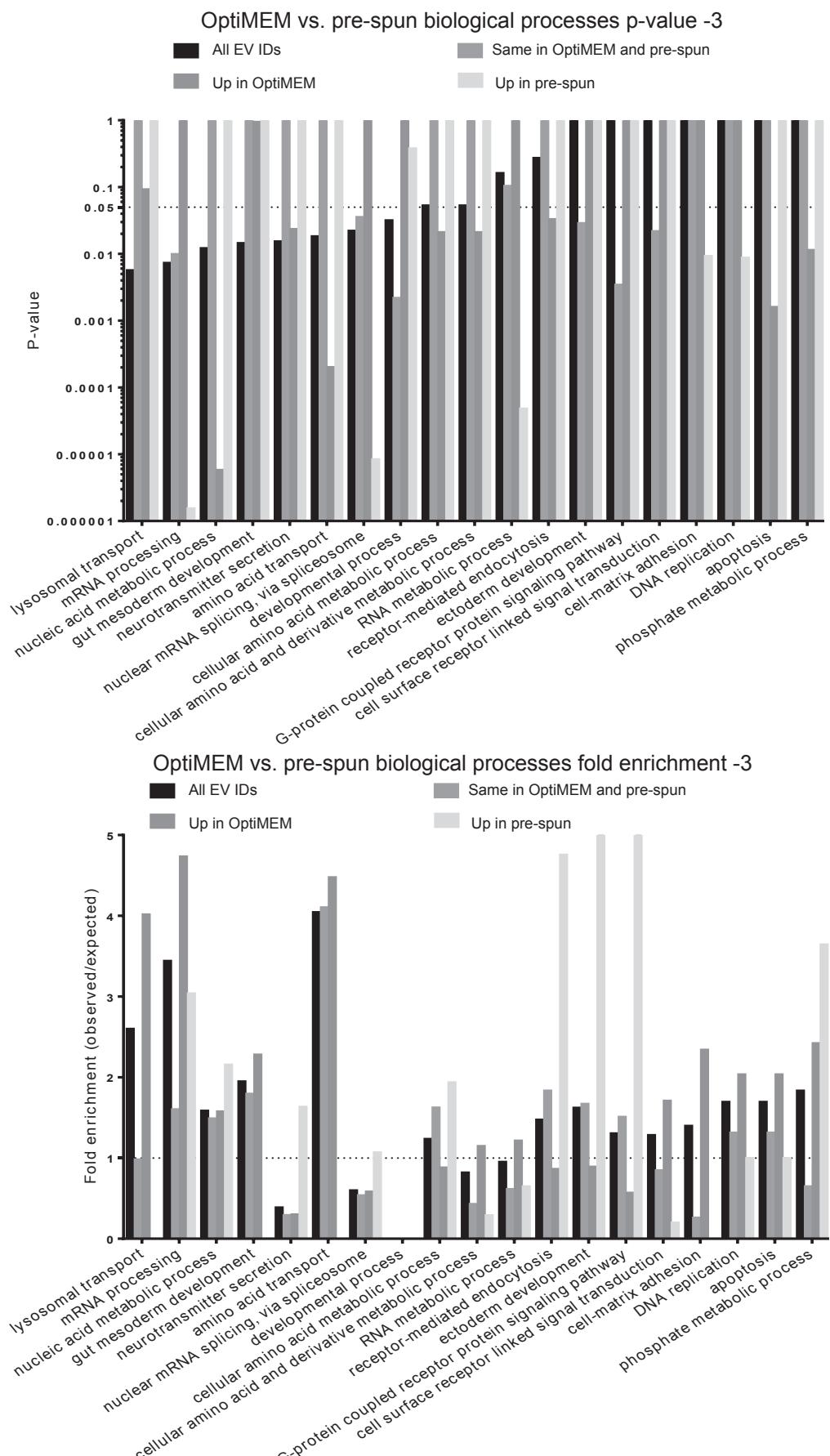
Supplementary Figure 3D (vi)



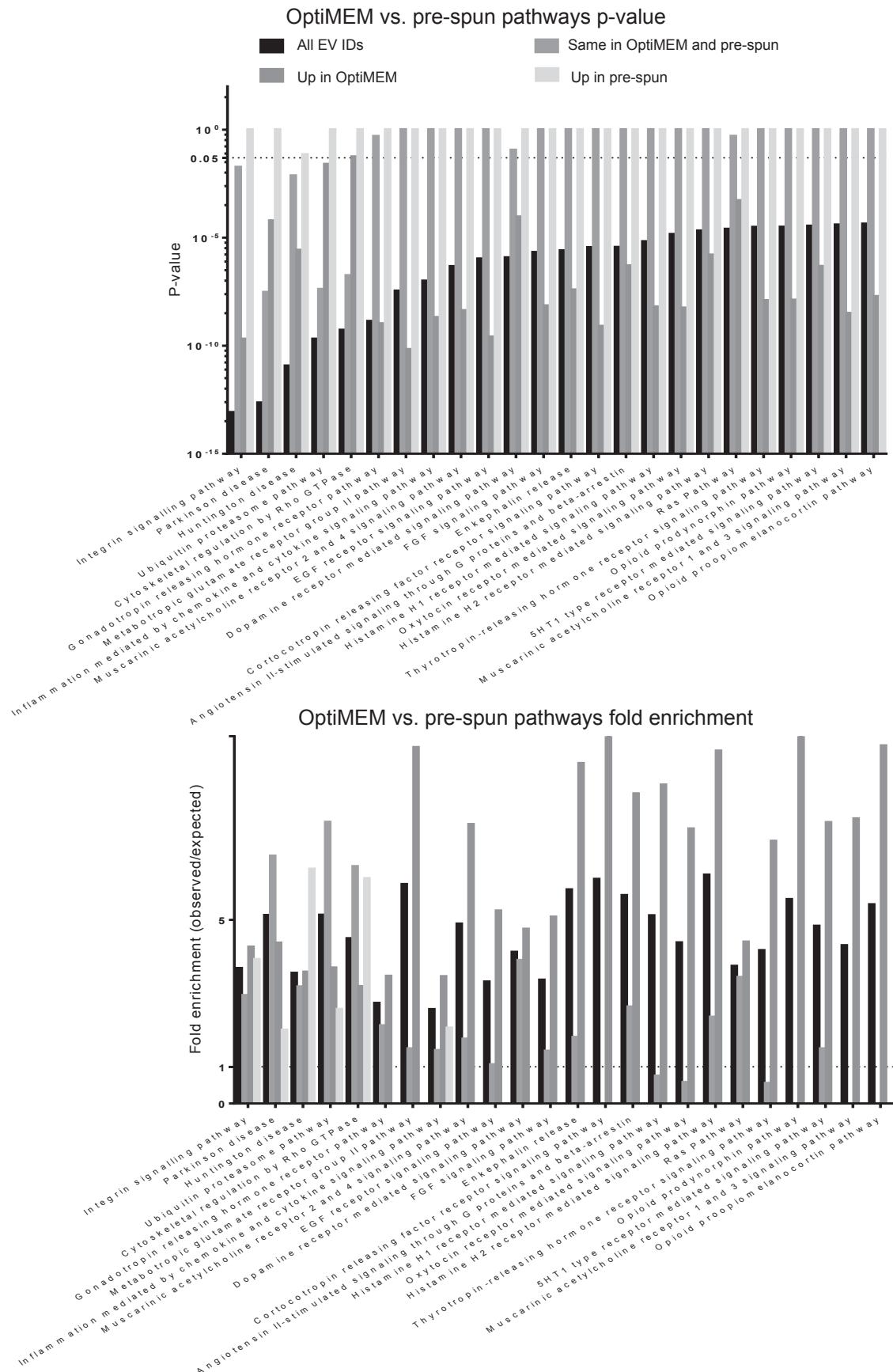
Supplementary Figure 3D (vii)



Supplementary Figure 3D (viii)

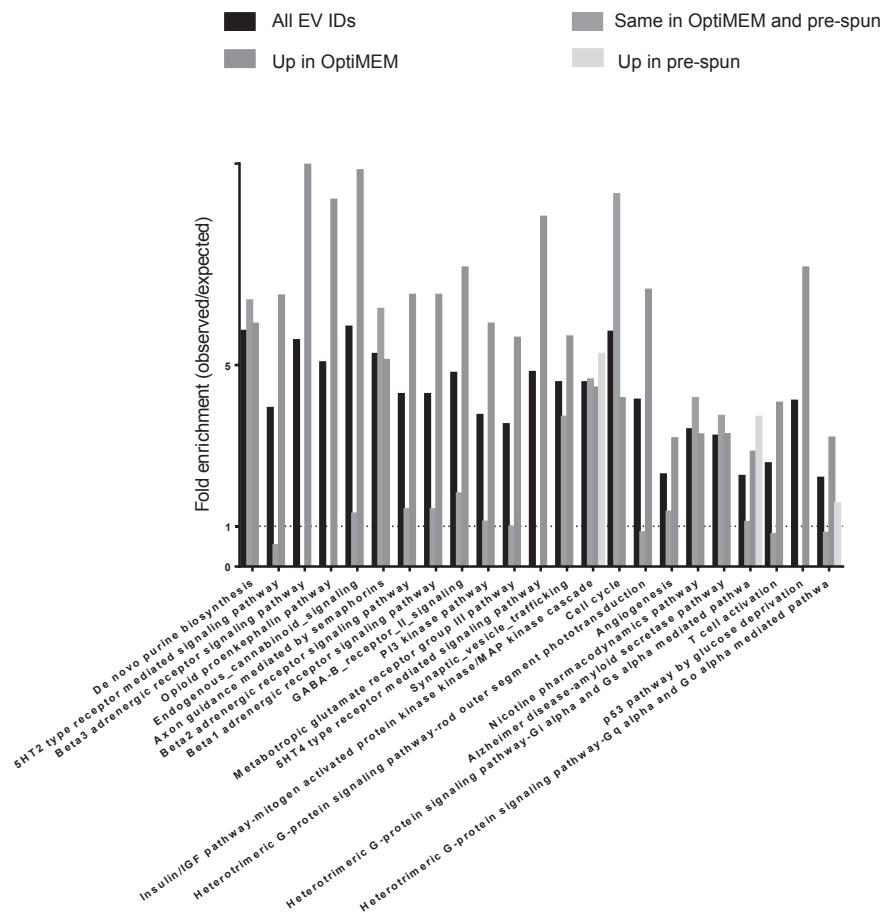


Supplementary Figure 3D (ix)

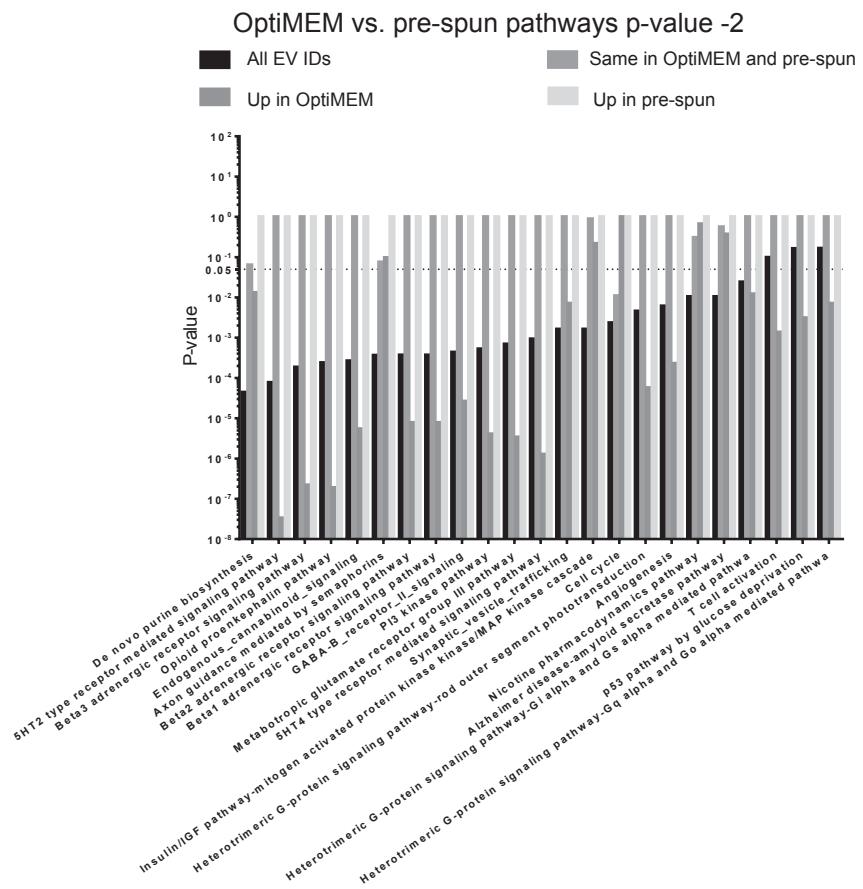


Supplementary Figure 3D (x)

OptiMEM vs. pre-spun pathways fold enrichment -2



Supplementary Figure 3D (xi)



Supplementary Table S2

		OptiMEM-1	OptiMEM-2	OptiMEM-3	Prespun-1	Prespun-2	Prespun-3	Prespun/OptiMEM	
Accession	Gene Name	Area	Area	Area	Area	Area	Area	Area Ratio	p-value
ENSMUSP000 FN1		1.4812E+10	6529535860	8116324225	1.6503E+10	1.1559E+10	2.0387E+10	1.64467	0.153581
ENSMUSP000 TUBA1A		1.8266E+10	1.8601E+10	1.6929E+10	2.095E+10	1.4765E+10	1.9467E+10	1.02577	0.822801
ENSMUSP000 ACTG1		6.2492E+10	4.9311E+10	5.0552E+10	4.3708E+10	3.2984E+10	3.8006E+10	0.706462	0.0382924
ENSMUSP000 TUBA4A		1.6211E+10	1.6587E+10	1.4722E+10	2.095E+10	1.4765E+10	1.9269E+10	1.15705	0.267375
ENSMUSP000 PDCD6IP		1.2007E+10	1.1476E+10	1.0448E+10	1.5366E+10	1.2137E+10	1.1437E+10	1.14758	0.266434
ENSMUSP000 ENO1		1.4999E+10	1.2982E+10	1.0957E+10	6896282699	3677596912	4955732302	0.398821	0.00644063
ENSMUSP000 HSPG2		2944697329	1959913653	1747737537	6772904540	4730573322	6700446164	2.73647	0.00727956
ENSMUSP000 GNB2		4.1115E+10	2.8769E+10	3.1169E+10	7112628137	3576096114	5582273722	0.161014	0.00195398
ENSMUSP000 GNB1		4.0862E+10	2.8798E+10	2.9765E+10	6900529914	3843512479	5636575536	0.164754	0.00222558
ENSMUSP000 HSPA8		1.7631E+10	1.4282E+10	1.2196E+10	1.6501E+10	9990263152	1.1949E+10	0.871478	0.490996
ENSMUSP000 HSP90AB1		1.2117E+10	9373834235	9249329878	9631483689	7254364256	9073100332	0.84446	0.24794
ENSMUSP000 TUBA8		1.6211E+10	1.6587E+10	1.4722E+10	2.095E+10	1.4765E+10	1.9269E+10	1.15705	0.267375
ENSMUSP000 CAPN6		2.7417E+10	2.513E+10	2.3126E+10	5965629997	4041687085	5228793732	0.201342	0.00012105
ENSMUSP000 RPS27A		7.8861E+10	8.2333E+10	7.2468E+10	7.7926E+10	4.9982E+10	6.2506E+10	0.814914	0.168303
ENSMUSP000 IGSF8		1.7472E+10	1.6741E+10	1.2991E+10	2.6932E+10	1.9289E+10	1.6606E+10	1.33097	0.199336
ENSMUSP000 UBC		7.8861E+10	8.2333E+10	7.2468E+10	7.7926E+10	4.9982E+10	6.2506E+10	0.814914	0.168303
ENSMUSP000 SLC1A5		3.6279E+10	3.1945E+10	3.2034E+10	1.0698E+10	6704127898	9115508670	0.264495	0.00018247
ENSMUSP000 GAPDH		2.054E+10	1.4761E+10	1.5374E+10	1.2689E+10	9309268443	1.1855E+10	0.668058	0.0555089
ENSMUSP000 HSP90AA1		1.2038E+10	9373834235	9249329878	9562660075	7199703525	9073100332	0.842599	0.237832
ENSMUSP000 ITGB1		1.0244E+10	9458858346	8364520882	5127728495	2917523009	4554155238	0.448892	0.00385495
ENSMUSP000 BASP1		4.7389E+10	2.7365E+10	2.46E+10	1.217E+10	4507617789	7935503586	0.247731	0.0295005
ENSMUSP000 ATP1A1		8861419413	7616944570	6574260980	2870065431	1927884936	2137362125	0.300847	0.00172535
ENSMUSP000 NCAM1		8290394551	7260285274	6650372115	3321129730	1807238586	2463212057	0.341947	0.00168757
ENSMUSP000 GAPDH		1.6586E+10	1.066E+10	1.1996E+10	1.0677E+10	7103950915	9274649343	0.689471	0.121737
ENSMUSP000 CLTC		1466371503	1251832892	4815172281	4783006787	4081732794	3915076247	1.69643	0.213702
ENSMUSP000 DYNC1H1		412922213	271319916	304641344	778532914	646938597	1398977654	2.8562	0.0603682
ENSMUSP000 GNAI3		2.3961E+10	2.2432E+10	1.669E+10	6138187906	3774700330	5312922356	0.241364	0.00234102
ENSMUSP000 GNAI2		2.5926E+10	2.3569E+10	1.7257E+10	6460164554	4045879324	5877082761	0.245433	0.00334905
ENSMUSP000 TUBB5		6647195894	6659620122	5669934471	7208084574	5464985643	6710245359	1.02142	0.835949
ENSMUSP000 SLC3A2		5.8456E+10	5.351E+10	4.9432E+10	1.4851E+10	9667260282	1.311E+10	0.233143	0.00016649
ENSMUSP000 EEF1A1		1.8712E+10	1.528E+10	1.3395E+10	1.0552E+10	7323874657	9484515227	0.577389	0.0215551
ENSMUSP000 EEF2		4935800103	4181442337	3434128211	2255380657	1365741856	2070341713	0.453454	0.011052
ENSMUSP000 ARF3		1.3528E+10	1.1297E+10	1.0165E+10	3574864049	3156303832	3429999236	0.290397	0.00114303
ENSMUSP000 SLIT2		2100125927	1259986925	1311948020	4291397304	2908569155	2611397264	2.10001	0.0428082
ENSMUSP000 MYH9		650573380	560608170	500519785	2246911251	2268931913	2024809817	3.82114	5.5758E-05
ENSMUSP000 FASN		1572683418	1249479421	1203867276	1006282232	755021364	811007031	0.63892	0.0251177
ENSMUSP000 PXDN		2503266333	1309402741	1612702176	7178904382	8922721730	4889903251	3.86914	0.0131787
ENSMUSP000 TUBB2B		6538928348	6659620122	5669934471	7017317137	5018356446	6710245359	0.993504	0.955961
ENSMUSP000 RAP1B		2.3988E+10	2.0293E+10	1.3913E+10	7952327715	4685641967	6930209051	0.336261	0.0141732
ENSMUSP000 TUBB2A		6538928348	6659620122	5669934471	7017317137	5018356446	6710245359	0.993504	0.955961
ENSMUSP000 ARF2		1.3528E+10	1.1297E+10	1.0165E+10	3376863218	3156303832	3345384740	0.28232	0.001073
ENSMUSP000 ITGA6		8530987472	7588571849	6902642174	3795240938	2375452896	3479396211	0.419165	0.00221803
ENSMUSP000 ITGA6		8530987472	7588571849	6902642174	3795240938	2375452896	3479396211	0.419165	0.00221803
ENSMUSP000 GDI2		8685871842	8618310163	7448442174	2108033517	1177830266	1824075633	0.20644	0.00017696
ENSMUSP000 TUBB4B-PS1		5715361736	5944523712	5239627984	6627008651	3839749260	5630048918	0.952501	0.766398
ENSMUSP000 ARF5		6607264683	5727377126	6016240259	1815606695	806703371	1683680259	0.234648	0.00033247
ENSMUSP000 ARF4		5083928850	4652376846	4318237753	1017388439	770936949	1050127747	0.20196	9.673E-05
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ENSMUSP000 EPB4.1L3		4871807725	4617736947	3980647216	1472459567	919947848	1122268937	0.260922	0.00043326
ENSMUSP000 EPB4.1L3		4871807725	4617736947	3980647216	1472459567	919947848	1122268937	0.260922	0.00043326
ENSMUSP000 SDCBP		1.2414E+10	1.2371E+10	1.1925E+10	1.5234E+10	8786504919	1.2256E+10	0.988173	0.942016
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ENSMUSP000 EHD1		4453772904	4153396203	3582679307	1640431504	1083250128	1353558358	0.334478	0.00085938
ENSMUSP000 HIST1H2BL		5.2927E+10	4.1123E+10	3.0043E+10	6.9318E+10	4.348E+10	4.6305E+10	1.28213	0.329368
ENSMUSP000 PKM		5663613538	4132491587	3268254534	3292944861	2259869086	3110413296	0.663119	0.129196
ENSMUSP000 ASNS		4367848121	3658196060	3557803965	1829118083	1010397185	1595891413	0.382896	0.00249947
ENSMUSP000 PKM		5663613538	4132491587	3268254534	3292944861	2259869086	3110413296	0.663119	0.129196
ENSMUSP000 TENM3		178309066	1571247015	1485116085	1574807809	669937635	1249565277	0.722058	0.183381
ENSMUSP000 GNAO1		2.7515E+10	2.4273E+10	1.8274E+10	7260123961	4166994364	5915638640	0.247537	0.0035171
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ENSMUSP000 ANXA6	2481673424	1976433842	2131828555	1469924777	773968023	1167046411	0.517598	0.0134261
ENSMUSP000 ANXA6	2481673424	1976433842	2131828555	1469924777	773968023	1167046411	0.517598	0.0134261
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ENSMUSP000 TPP2	665913172	496163135	540180873	2055162148	1912489828	1695740801	3.32699	0.00034215
ENSMUSP000 GNAS	2.5008E+10	2.2194E+10	1.7528E+10	6077534954	3900953893	5334689661	0.236572	0.00192424
ENSMUSP000 GAP43	6.4576E+10	4.3365E+10	4.938E+10	1.2295E+10	2340525952	1.0797E+10	0.161657	0.00333576
ENSMUSP000 RPS4X	2659317803	1702095578	1918865190	2757310800	2871499562	2565699219	1.3048	0.103135
ENSMUSP000 CCT5	1836759760	1455301258	1485760216	2470832717	1921774093	1788407069	1.29369	0.125474
ENSMUSP000 CCT4	2431859344	1932082244	1896301836	2656962236	2063875372	2634896242	1.17499	0.232767
ENSMUSP000 CAPN5	3545420032	3324625125	2876889312	4097142117	2912130258	3437335357	1.07178	0.58684
ENSMUSP000 MSN	4325255921	3743944920	3852430352	1557658250	749694861	982172123	0.275929	0.00065357
ENSMUSP000 NCKAP1	2080627947	1628083813	1667194718	401478937	152714985	645971457	0.223249	0.00237124
ENSMUSP000 ACTC1	2.8867E+10	2.2476E+10	2.1618E+10	2.0517E+10	1.6342E+10	1.7831E+10	0.74958	0.0785988
ENSMUSP000 ALB	5510190584	4229839262	6591334255	7.8891E+10	3.6608E+10	3.3874E+10	9.14642	0.0383964
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ENSMUSP000 MARCKS	2.6297E+10	1.0964E+10	1.0531E+10	4800763441	1002269795	2004922114	0.163375	0.0659944
ENSMUSP000 PPIA	1.8888E+10	1.5745E+10	1.4554E+10	6488562084	4379655322	5345371253	0.329637	0.00153771
ENSMUSP000 DIP2C	1639709649	1617815740	1330991065	1376581468	983132991	959640584	0.723405	0.0653481
ENSMUSP000 PLCB4	2061890420	1744234403	1689646343	501693515	125758541	303310151	0.16936	0.0006649
ENSMUSP000 CFL1	7832782769	6113529046	4708516393	5097503592	2394638511	4166598533	0.624972	0.124341
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ENSMUSP000 GNA13	2.0286E+10	1.7726E+10	1.3656E+10	5004237015	3130773007	4469115864	0.243939	0.00292134
ENSMUSP000 RASA3	3105238042	2958752405	2569993334	508256784	226802561	273728488	0.116839	0.00015211
ENSMUSP000 DIP2C	1639709649	1617815740	1330991065	1376581468	983132991	959640584	0.723405	0.0653481
ENSMUSP000 YWHAE	7217904624	5960656378	4553111732	2878400073	1561498115	1794538867	0.351599	0.0116482
ENSMUSP000 YWHAZ	1.5927E+10	1.4159E+10	9680822026	6103362515	3469649627	4239686268	0.347341	0.012745
ENSMUSP000 CCT8	2435472612	1988862780	1914438722	3604779780	3719323077	3233144319	1.6655	0.00302944
ENSMUSP000 VCP	1204023550	812406354	819455195	1593400612	1138828751	1302019702	1.42257	0.0976263
ENSMUSP000 RAC1	3.8967E+10	3.3522E+10	2.9718E+10	9588322581	5784808899	8268313792	0.231308	0.00084002
ENSMUSP000 ENO2	5451526539	4142238640	3784370365	2081358843	1278203333	1554638654	0.367331	0.00723677
ENSMUSP000 TCP1	1970343428	1755960121	1643800820	2933315036	2334842455	2315865774	1.41227	0.0301789
ENSMUSP000 CCT7	2021248377	1700574407	1471618211	2222006908	2050319414	1881274349	1.18488	0.162685
ENSMUSP000 NRP1	5095163204	4982875806	4223860470	3889162054	2585239161	2827186949	0.650374	0.0263784
ENSMUSP000 CCT2	2211658088	1547645457	1766858175	2386200443	1880776915	2375255499	1.20196	0.220983
ENSMUSP000 CYFIP1	2529251013	2408330679	2127277486	694703907	494517252	589221094	0.251731	0.00018404
ENSMUSP000 FLNA	346432689	293245608	271478464	1921829261	615124413	1292480317	4.20283	0.0617337
ENSMUSP000 PGK1	3512695074	3091133275	2613911485	1558511139	1101934765	3067789826	0.621436	0.147211
ENSMUSP000 EPB4.1L2	3530833155	2987666604	2862357975	881098973	450992701	607839084	0.206797	0.00049939
ENSMUSP000 EPRS	386471598	272868819	352629030	687863347	369772856	543635662	1.58233	0.115341
ENSMUSP000 LDHA	1.3817E+10	1.2045E+10	1.1271E+10	5409198440	3436609683	5059938868	0.374485	0.00132486
ENSMUSP000 RDX	4325255921	3743944920	3852430352	1557658250	360938263	936032686	0.239449	0.00147809
ENSMUSP000 TTYH3	2299855215	1434264816	1547768337	2914645530	779634378	1559936445	0.994761	0.989832
ENSMUSP000 CCT6A	2135250261	1348478655	1238709121	2325928509	2526247343	2306554412	1.5159	0.0492465
ENSMUSP000 SRGAP2	2034274509	1799153454	1554382854	385783109	132306202	298836786	0.151625	0.00063482
ENSMUSP000 EMB	1.352E+10	1.2414E+10	1.3353E+10	3485337166	2309842717	3447270163	0.235253	4.1891E-05
ENSMUSP000 KPNB1	1806031970	1625738556	1269393530	644120800	449935761	622922416	0.365224	0.00418645
ENSMUSP000 ARHGDIA	9619284051	8180928498	7742532053	1990893847	830599959	1624194210	0.174049	0.00044517
ENSMUSP000 HSPA2	1.6269E+10	1.239E+10	1.0469E+10	1.6501E+10	9641631091	1.1362E+10	0.958524	0.849613
ENSMUSP000 SLC2A3	7155062866	6427071801	6739768198	2830559202	1953146209	2531372752	0.35996	0.00020043
ENSMUSP000 AGRN	491515548	312027574	368984125	944896171	242823368	610034430	1.53323	0.376233
ENSMUSP000 RPS3	2282017245	1757203005	1803723554	3275341226	3824902089	2820330173	1.69787	0.01544
ENSMUSP000 IGSF3	926985447	920664042	920236929	694713865	317671997	447843256	0.527561	0.0169381
ENSMUSP000 RAB1	1.5462E+10	1.4227E+10	1.3017E+10	4338997621	2920831666	4241672512	0.269325	0.00024576
ENSMUSP000 UBA1	1128632229	1248125500	956200823	885851318	582385228	1012789907	0.744392	0.137485
ENSMUSP000 YWHAQ	7303502914	6154021789	4388986265	3205086495	1754673425	2000494525	0.390006	0.0193552

ENSMUSP000 ALDOA	9836581618	8133746959	6950527899	2694742729	438467577	2504476877	0.226224	0.00436475
ENSMUSP000 CALM1	2.2785E+10	2.2044E+10	2.7619E+10	8234656890	3044995601	5960004560	0.23796	0.00133289
ENSMUSP000 TFRC	3146459073	2397131497	2613909621	851265503	733854410	983066496	0.314825	0.00134744
ENSMUSP000 ACTBL2	2.6617E+10	1.9335E+10	2.11E+10	1.6769E+10	1.3598E+10	1.3918E+10	0.660459	0.0347015
ENSMUSP000 PTGFRN	2150345967	1969671481	1785104518	1840409602	1441706241	1444504640	0.800427	0.081086
ENSMUSP000 SNAP25	5769704303	5688075996	4738796069	721141007	188200830	372285150	0.0791293	0.0001699
ENSMUSP000 ACSL4	2787699899	2733259304	2302676355	507035732	254891211	383113028	0.146357	0.00019544
ENSMUSP000 PLXNA1	1219270259	922490603	748805142	261663338	129746715	245689989	0.220407	0.00636466
ENSMUSP000 GM16477	3359356867	2755591139	2678786896	3796644157	2699794041	3181436235	1.10054	0.485046
ENSMUSP000 CD81	3.4731E+10	2.9783E+10	3.2919E+10	3.2134E+10	2.8855E+10	2.8005E+10	0.913384	0.216113
ENSMUSP000 YWHAH	7504097857	6000490567	4606421074	3389153912	1465147113	2026538364	0.379926	0.0209268
ENSMUSP000 RPL4	2354767986	1798305910	1900450779	1961543672	695392500	986388520	0.601852	0.127878
ENSMUSP000 PPP2R1A	1110167381	966110848	857738833	388422108	357607882	302157353	0.357253	0.00124671
ENSMUSP000 UCHL1	1.1965E+10	1.0105E+10	8867471195	3091883045	1801111871	2400253956	0.235743	0.00126983
ENSMUSP000 GNA11	7922128718	7456016441	6220319605	1581758471	586256522	1209013060	0.156355	0.0004856
ENSMUSP000 LGALS3BP	1966176898	1889321277	1701731790	1891818005	1339125150	2138375343	0.966186	0.813787
ENSMUSP000 VPS28	1575685052	1489632558	1273511854	1788564299	813397372	1272443519	0.892961	0.628226
ENSMUSP000 AP2B1	683888483	497968194	436008595	382097245	215773091	335984256	0.577214	0.0634158
ENSMUSP000 CDC42	1.8975E+10	1.4202E+10	1.1888E+10	4285047950	1339244434	2713517116	0.18502	0.00556886
ENSMUSP000 GANAB	714462727	552954376	523357676	879701031	949544016	704772421	1.41504	0.0577574
ENSMUSP000 CASK	1194098093	915559081	809542214	302430866	107911439	427333372	0.286954	0.00930408
ENSMUSP000 RPL5	2245468746	1212415350	1530696847	1436831890	762036621	1030143893	0.647281	0.181463
ENSMUSP000 GM4737	1265954168	971924265	875257751	3293329421	3344188012	4353590398	3.53056	0.00197165
ENSMUSP000 LARS	574980615	325035906	342180959	489850932	471406557	458688861	1.14309	0.505604
ENSMUSP000 RPL6	3071558895	2213818657	2263856563	3150452897	2114835200	2400452134	1.01543	0.930023
ENSMUSP000 EZR	4325255921	3743944920	3852430352	3283063894	400098650	764987667	0.373116	0.0542692
ENSMUSP000 VCL	801232109	673959810	553744356	401169737	204587080	233273589	0.413532	0.0135559
ENSMUSP000 PRDX1	5141818142	4361802325	3802675849	2276039587	1475664906	1805040006	0.417602	0.00465509
ENSMUSP000 GM20390	1.3248E+10	1.0204E+10	1.6306E+10	2665513974	1645943437	2521640408	0.171869	0.00358726
ENSMUSP000 ILK	1189579439	1210519381	1038420251	1154500479	1025714622	1828005387	1.16568	0.497187
ENSMUSP000 RPS3A1	3844550003	3161989798	2899949237	3767255226	2514868366	3050843367	0.942106	0.698553
ENSMUSP000 GDI1	6873149404	5282701524	5509744542	1277829757	477103037	1400487005	0.178619	0.0010925
ENSMUSP000 A2M	2.892E+10	4.0878E+10	4.0609E+10	7.249E+10	1.5355E+10	1.6345E+11	2.27611	0.339111
ENSMUSP000 HSPH1	885138563	1197294141	1130165510	1182333533	646502788	134726820	0.611207	0.259288
ENSMUSP000 PSAT1	3382967198	3031194488	2482143848	1302306517	633047704	1199714791	0.352401	0.00457002
ENSMUSP000 SNAP25	5657395720	5710945727	4628625364	768368248	188200830	396595273	0.0845887	0.00023663
ENSMUSP000 DIP2B	1124283526	1164314962	1020285899	884859567	689627456	753167426	0.703456	0.0103488
ENSMUSP000 EIF5A	2881051883	2711082740	2736605565	888794057	503158556	806132130	0.263916	9.1701E-05
ENSMUSP000 CYFIP2	2402167247	2248160730	2021136700	694703907	329810709	504397091	0.229172	0.00035959
ENSMUSP000 EHD4	641988212	536523183	647975842	140893906	118305032	190210188	0.246051	0.00039662
ENSMUSP000 GARS	1332755320	1002592848	881594869	747117992	341240920	660970475	0.543786	0.0554607
ENSMUSP000 YWHAH	7241916173	6199897885	4755014529	3097972889	1453870007	1823752300	0.350369	0.0108497
ENSMUSP000 ITGA1	1252557176	1130233371	957131291	412751202	186433886	388857835	0.295828	0.00217761
ENSMUSP000 CAND1	696437322	652204919	608196957	253096497	53466656.9	165665956	0.241322	0.00143131
ENSMUSP000 GM21451	1208881250	669430334	607966829	3618597293	1682659570	3573251617	3.56939	0.0329609
ENSMUSP000 RHOC	1.4231E+10	1.1877E+10	1.1274E+10	3507164752	2099649691	3014646004	0.230632	0.00064087
ENSMUSP000 MPP6	1177076487	1040696229	904042817	460206717	172126180	329752700	0.308182	0.00328624
ENSMUSP000 ATP2B4	2321251290	1933525143	1666186375	490922404	197770814	421190472	0.18745	0.0015711
ENSMUSP000 TSG101	2909379875	2488390376	2464178776	3178050544	2171147582	2554542609	1.00532	0.968067
ENSMUSP000 CAD	399489699	290662749	220903715	317532885	137729465	246346775	0.770105	0.397187
ENSMUSP000 PREP	1220697551	991937794	964073545	258832621	82744181.5	303544705	0.203079	0.00132948
ENSMUSP000 KRT10	2859663881	1763408567	2018401969	4716815285	3736877671	3677071536	1.82652	0.0179611
ENSMUSP000 ATIC	966708472	1580536318	2449636761	394185074	215462317	260136210	0.174065	0.033753
ENSMUSP000 HSPA4	651226268	473303286	521758868	204731975	212385547	226553508	0.390983	0.00334533
ENSMUSP000 YWHAG	7469505373	6458533108	4582229484	3391175670	1600927899	2010224728	0.378294	0.0187911
ENSMUSP000 STX1A	2607021965	2292821167	2155774836	697937999	355066519	600526819	0.234357	0.00043002
ENSMUSP000 NME1	1.2139E+10	8510176250	1.6306E+10	2157183744	1238600609	2059231293	0.147611	0.00985406
ENSMUSP000 FBLN2	807895170	533914796	548690640	683295271	550416986	791783347	1.07141	0.710997
ENSMUSP000 NRP2	1879495442	1663367347	1509990993	751037575	171801705	626162320	0.30656	0.00477869
ENSMUSP000 CLIC4	2210159381	1857192731	1713590000	785672503	227300573	579297569	0.275434	0.00314992
ENSMUSP000 RET	1045118413	507592161	550279336	553437094	381648392	498523400	0.6817	0.282389
ENSMUSP000 TARS	669602690	633683333	665524069	554094368	265514967	292135708	0.564679	0.0369545
ENSMUSP000 AKAP12	734033431	552515707	481616564	155566839	101183218	130682450	0.219115	0.0038976
ENSMUSP000 RAB8A	1.4373E+10	1.3144E+10	1.2222E+10	4037098652	2511007056	3838360447	0.261373	0.00023951
ENSMUSP000 STOM	3892161608	3567698125	2464045716	1236172103	829363609	1071793001	0.316138	0.00723858
ENSMUSP000 RAB10	1.5484E+10	1.3257E+10	1.2157E+10	4220386836	2567945281	3932604352	0.262139	0.00080321

ENSMUSP000 DOCK11	542272344	509209388	483532767	923101006		789965752	1.67399	0.00787844
ENSMUSP000 BSG	1.5389E+10	1.3894E+10	1.0323E+10	3970115754	2545110301	3410711004	0.250616	0.00315625
ENSMUSP000 PLOD3	1361942222	1183163693	1630679398	1316500290	1663633254	1852022549	1.15718	0.34336
ENSMUSP000 LGALS1	1.0793E+10	9298101240	7548672453	3309008374	1990015640	2764295567	0.291725	0.00298466
ENSMUSP000 VAT1	4735891804	4207065843	4030483167	1052707803	469968091	1012009114	0.195375	0.00025199
ENSMUSP000 YES1	2045785630	1998623791	1261928230	813243074	581642174	713465884	0.397327	0.0153376
ENSMUSP000 RALB	2781570656	2421839964	1677993574	638171629	256464988	434478009	0.193146	0.00571681
ENSMUSP000 EEF1G	570103445	559842460	520843853	1089056553	767667501	947801235	1.6989	0.0150697
ENSMUSP000 PLXNA4	587326890	577279119	433270387	140070290	68662634.3	184335855	0.245995	0.00260731
ENSMUSP000 FAM129A	1962035797	1340559203	1647546464	71638502.6	47088108.2	43782904.1	0.032829	0.00088674
ENSMUSP000 MYH10	560180760	431874346	435740188	1598329906	1105892587	1204899289	2.73787	0.00610389
ENSMUSP000 PHGDH	3199014519	2895552434	2339752277	1667117804	1006137900	1197417887	0.45892	0.00886318
ENSMUSP000 CHGB	450805217	289308015	264413158	938065338	1036776085	888757288	2.8507	0.00104755
ENSMUSP000 PACSIN2	1932515161	1833542463	1614092486	477370508	125778760	352323284	0.177592	0.00045193
ENSMUSP000 PCDH1	1649853836	1645293683	1459215752	1356000734	937200116	1064525141	0.706241	0.0285601
ENSMUSP000 RAB1B	1.5462E+10	1.4227E+10	1.3017E+10	4338997621	2920831666	4241672512	0.269325	0.00024576
ENSMUSP000 RPL7	3968505277	3586677979	3011182453	4792363983	3578643932	3681972190	1.14069	0.358305
ENSMUSP000 RRAS2	2570676292	2528956945	2001606762	608153490	313373029	442929010	0.192143	0.00069493
ENSMUSP000 NARS	1308712456	715531820	954159658	619347758	401595724	371829695	0.467624	0.0491048
ENSMUSP000 DPYSL3	962319483	640048643	652374649	500893502	403008620	560991640	0.649694	0.0839901
ENSMUSP000 SLC7A1	3917031755	3683242024	3910417888	1225679643	769364019	799843662	0.242808	6.278E-05
ENSMUSP000 TRIM47	1050407956	972744381	808263168	1029097331	809337509	819101160	0.938589	0.597355
ENSMUSP000 EIF3A	409914319	283067157	293853552	363737490	326532831	293980421	0.997381	0.985751
ENSMUSP000 BAIAP2	1825144081	1405035084	1376528766	163024934	102927480		0.0865975	0.00502852
ENSMUSP000 RPL3	2715435958	2240971793	2243179988	2593437338	1390822346	2106938008	0.846048	0.389631
ENSMUSP000 RAB8B	1.4296E+10	1.3144E+10	1.2222E+10	3978576664	2511007056	3835272115	0.260329	0.00021082
ENSMUSP000 ADAM10	1787555452	1731524843	1443084415	1127422757	757025051	888885889	0.558896	0.00866978
ENSMUSP000 EHD3	1636071401	1744218890	1651056191	942294611	502713523	1080863368	0.502027	0.00927822
ENSMUSP000 HRAS1	3448352834	3151332756	2617991280	968465173	466561394	815311326	0.244133	0.00122948
ENSMUSP000 ATP2B3	2627338113	2044709377	1587063346	499008057	35826269.9	478780438	0.161942	0.00655657
ENSMUSP000 JAK1	983528412	824780016	1121122550	119269486	47489466.1	121367861	0.098356	0.00058592
ENSMUSP000 CD151	3138605287	1469429084	2295262932	1257748323	949064929	241152861	0.354608	0.0591601
ENSMUSP000 RRAS	2367715849	2362537530	1977793489	492745979	342903538	256675919	0.162838	0.00021552
ENSMUSP000 GPI1	1399987146	3177668874	1338974024	391744652	100630199	342765259	0.141151	0.0499054
ENSMUSP000 TSPAN7	7543501169	8499376805	8619889876	7203498027	3848661446	8337029827	0.786172	0.274628
ENSMUSP000 GLIPR2	7151678450	7061543678	6380060875	2590531806	1301477067	1504078961	0.262031	0.00041504
ENSMUSP000 TRIM47	1050407956	972744381	808263168	1029097331	809337509	819101160	0.938589	0.597355
ENSMUSP000 PGAM1	3094595202	2355219790	2052438771	1231234466	484844690	850086495	0.342053	0.0120362
ENSMUSP000 ENPP3	1329908662	1231441330	1000804155	317488675	282706396	300656780	0.252895	0.00082665
ENSMUSP000 RPS11	2010084796	1519945001	1767915551	2679333753	2022094109	2240286666	1.31027	0.0840853
ENSMUSP000 RALA	4310555169	3638773118	2874398078	1104826756	602321246	946064724	0.24513	0.00347958
ENSMUSP000 CR1L	3363818362	2537430337	2424289789	453710550	399772437	574825851	0.171558	0.00157049
ENSMUSP000 SYT1	925618763	1042990139	898789632	505189855	214907268	504954466	0.427235	0.00676117
ENSMUSP000 FMNL2	745284456	494975880	819079407	336466839	24331676	166141279	0.255878	0.0185728
ENSMUSP000 PSMD2	413622299	384523574	381482853	702013047	683779493	656509822	1.73131	6.7154E-05
ENSMUSP000 RPL13A	2032568878	1263244848	1422371589	2062732756	1010385267	1406569346	0.949451	0.846954
ENSMUSP000 TOM1L1	972852422	1230946796	905240812	862869540	941942575	703191334	0.806681	0.174697
ENSMUSP000 NEO1	453079741	414504332	335109726	156962442	67966405.3	153933941	0.315012	0.00375564
ENSMUSP000 VARS	397843032	243131930	262012316	532073102	357133687	444817259	1.47735	0.110019
ENSMUSP000 HIST1H1B	7193616150	4907615961	5057746560	8494880533	2313905015	8295727117	1.11338	0.778771
ENSMUSP000 MTHFD1	708884082	499118091	563119101	423728738	358021680	393692736	0.663672	0.037694
ENSMUSP000 INSR	395314640	431541393	344154738	193908024	57109090.8	126042163	0.321995	0.00486604
ENSMUSP000 RPS9	3652185505	2879812707	3004793180	5282755379	4306657888	3980651302	1.42292	0.0427489
ENSMUSP000 SLC38A2	1.0639E+10	9840960300	9291605750	4059327041	2854084186	3436104021	0.347628	0.00024588
ENSMUSP000 FABP5	1538406925	1204927525	786944932	371171854	232045810	193169735	0.225588	0.0152443
ENSMUSP000 LDLR	777982538	677740056	610137043	411089387	252440956	299987935	0.466401	0.00559678
ENSMUSP000 UNC5B	1077892626	978841880	908977066	414289348	199922434	159626703	0.260928	0.00141791
ENSMUSP000 RFTN1	1584117172	1423869224	1231487069	385747971	323082793	269941269	0.230871	0.00053449
ENSMUSP000 PTPRF	581703199	451634936	430019960	97052054.2	88931246	123714473	0.211635	0.00137198
ENSMUSP000 HSPA5	4338051002	3441090384	2240247371	7123674973	3559424372	4725408382	1.53787	0.212583
ENSMUSP000 ANO6	883478363	787905127	775900519	195536918	66033101.4	167739047	0.175423	0.00020657
ENSMUSP000 PFKP	588056255	393196645	415551086	251419897	115652224	308869815	0.48392	0.0460529
ENSMUSP000 PRDX2	3806276257	3184159249	2597599996	1032750638	687516822	963017561	0.279858	0.00321845
ENSMUSP000 RAB14	1.0226E+10	9368403425	8645448365	2978895355	1874833907	2943282378	0.276104	0.00030619
ENSMUSP000 TPI1	2535026994	2136448032	1739706594	787498920	74924540.7	522627861	0.216037	0.00565983
ENSMUSP000 MVB12B	450455060	347246552	487076739	855617543	691967071	660820468	1.7189	0.0138206

ENSMUSP000 SARS	1423657807	1102412057	1054529895	485369326	243082025	439345721	0.326146	0.00427905
ENSMUSP000 MYO1C	632728036	540575782	483100904	106362241		71497462.9	0.161065	0.00404406
ENSMUSP000 ATP1B3	2927198013	2911319852	2931380991	961457698	298534458	868949271	0.242755	0.00043626
ENSMUSP000 UBR4	127935800	56229063.9	119242600	830377933	97564409.6	128435610	3.48171	0.355324
ENSMUSP000 LPHN2	892105347	872341490	778467013	435852692	355331785	427441166	0.479224	0.00052524
ENSMUSP000 RAB6A	1.0105E+10	9207055701	8491828453	3034456754	1726661101	2975241687	0.278249	0.00045125
ENSMUSP000 GNAQ	4378726417	3913063424	3131974057	981087715	748596797	645304323	0.207899	0.00132394
ENSMUSP000 UNC5C	1093063467	853491452	844103096	294979159	150428955	95883367.1	0.193965	0.00174585
ENSMUSP000 PRDX6	1790718988	1679708315	1762913120	391491134	173231090	431837355	0.190425	8.417E-05
ENSMUSP000 PI16	3587816198	2835731822	1373432201	599626597	389671964	264294400	0.160779	0.0294419
ENSMUSP000 TSPAN4	1648989105	3334802470	2357608802	5394130705	3869617521	6544547473	2.15331	0.0368875
ENSMUSP000 HYOU1	222911666	219652324	193637009	196854003	153711130	200664420	0.866439	0.184357
ENSMUSP000 ATP12A	6225676572	4867995270	3853440602	1692581351	1132439701	1171756644	0.267395	0.00680373
ENSMUSP000 MARCKSL1	1.0935E+10	7827646390	6882210182	2438477193	1282086823	1852293629	0.21731	0.00619901
ENSMUSP000 VIM	407322640	143421974	164491695	1158942137	878860689	767088917	3.92163	0.00842899
ENSMUSP000 ARF6	3897206089	3339582959	3085479168	1182589340	676919243	1047593202	0.281634	0.00095202
ENSMUSP000 ABCB1B	789339018	685382581	515175229	134097545	52918989.7	130102386	0.159365	0.00269251
ENSMUSP000 PPA1	1438961443	1388191651	1276680145	289506832	112039826	205773771	0.147989	7.6979E-05
ENSMUSP000 PPP1CA	1222071708	1101923142	1157809684	653504093	368743271	639430429	0.477246	0.00358582
ENSMUSP000 H3F3A	1.5159E+10	6676029151	9600112374	1.5264E+10	1.3731E+10	1.108E+10	1.27486	0.357454
ENSMUSP000 EIF3C	304803692	281318406	283762957	413252137	322225752	388248716	1.29181	0.039741
ENSMUSP000 TAGLN2	1975869440	1872763084	1481574606	665244297	226080866	477959935	0.256891	0.00258458
ENSMUSP000 HIST1H3H	1.5159E+10	6676029151	9600112374	1.5264E+10	1.3731E+10	1.6554E+10	1.449	0.146756
ENSMUSP000 H2-K1	4108514752	3647347844	3348410913	886718642	349331409	647254345	0.169602	0.00034085
ENSMUSP000 DARS	556961861	390201195	296416547	525492080	651746996	702977131	1.51194	0.0838425
ENSMUSP000 RPS16	2295018414	1540197596	1946000610	2447514064	3035640535	2432137319	1.36914	0.0734529
ENSMUSP000 AP1B1	477690997	468819580	402453642	332687264	94786689.8	285501315	0.528536	0.0502687
ENSMUSP000 FARP1	895503847	639648875	620898757	279550846	124673962	228011468	0.293238	0.00698228
ENSMUSP000 RAB3C	1.0447E+10	9933960042	9190269285	2974329971	2640387034	2872473897	0.287013	4.9176E-05
ENSMUSP000 PSMA7	1521789121	1300716254	1241464507	671509060	616815311	781343661	0.509273	0.00247149
ENSMUSP000 ABI1	1831679197	1521976670	1393920512	420864663	218026089	191704094	0.174951	0.00092903
ENSMUSP000 AP2A2	602135556	482258530	438646117	75354868.3	79909671.6	102398265	0.169177	0.00104767
ENSMUSP000 IARS	141757108	116090293	126322757	378685173	213241632	389248504	2.55401	0.025763
ENSMUSP000 STIP1	1217826276	1076401198	850575593	548782287	157581604	589620366	0.412103	0.0241334
ENSMUSP000 AKR1B3	2032192364	1586968106	1691669074	392068074	416807635	439365574	0.235037	0.00055677
ENSMUSP000 PALM	1289948692	1190961974	1041312244	324482858	176766775	56865558.2	0.158455	0.00073441
ENSMUSP000 EIF4A1	346924252	298360088	277131410	606885813	445163746	600123820	1.79114	0.0127537
ENSMUSP000 ATP6V1A	333022474	329218151	281136107	187769692	192480217	209655244	0.625312	0.00280019
ENSMUSP000 PPP1CC	1222071708	1101923142	1157809684	641667957	368743271	639430429	0.473846	0.00325649
ENSMUSP000 PGD	1366015390	1799880108	1648569107	565016223	830824375	560485796	0.406343	0.00358778
ENSMUSP000 ADAM9	1044560751	887474511	730305278	352002879	211512623	299505144	0.324159	0.00382368
ENSMUSP000 LIN7C	1816470735	1373688904	1347616965	701676943	113967830	509684835	0.292066	0.00967673
ENSMUSP000 ENTPD3	1973443735	1672354224	1554521092	591356918	194826275	291801263	0.207292	0.00134941
ENSMUSP000 DNAJA1	937226374	714393684	626023398	749391492	512841443	479570004	0.764739	0.228218
ENSMUSP000 SCRIB	422362868	447111857	312447092	150459890		7956999.77	0.20105	0.024971
ENSMUSP000 SLC16A1	9878711497	8394750537	7462772882	2039918059	1164253833	1822602136	0.195319	0.00077848
ENSMUSP000 PI4KA	313378540	302813070	202883108	32938974		16679275.3	0.090868	0.012361
ENSMUSP000 HIST1H1E	8263846212	6449524939	6247631519	1.2454E+10	4081751300	1.1917E+10	1.35739	0.419924
ENSMUSP000 RPL14	2989472104	2028598813	2403509843	1891836484	1091426106	1305069320	0.577819	0.0469628
ENSMUSP000 YARS	608338320	475144201	569303044	59904500.2	463354783	119453500	0.388866	0.0630093
ENSMUSP000 USP5	486504462	430269413	437687170	160576858	101881114	127343817	0.287791	0.0001944
ENSMUSP000 PARK7	1023612537	775838844	638575567	254737303	67862872.7	254800393	0.236831	0.00853954
ENSMUSP000 VAT1L	938835650	835430642	826820091	263137404	188734288	160973019	0.235611	0.00014896
ENSMUSP000 MYO1B	744827157	343288525	316838913	108695361	89527786.6	92288653.2	0.206777	0.0552088
ENSMUSP000 IPO5	602761122	321071029	489923035	115458442	32722839.3	94888739.7	0.171932	0.0103261
ENSMUSP000 RHOG	1.087E+10	8764160794	7422586806	1919007060	548020233	1724703872	0.154924	0.00220788
ENSMUSP000 SLC6A6	2452467133	847281322	887409494	184667786	28048276.6	85058320.4	0.071116	0.0709062
ENSMUSP000 WDR1	1099006575	1106548510	1139807992	1522154420	699401379	1647856479	1.15665	0.588857
ENSMUSP000 RPS13	1959874619	1316693510	1495513074	1909464940	1340322358	1518381015	0.99918	0.996163
ENSMUSP000 VPS37B	949956001	828025322	493140307	1054950735	283174153	878418940	0.975969	0.949602
ENSMUSP000 SLC16A3	7691536287	6081637154	5331895759	1498042498	1198661506	1387833510	0.213793	0.00203865
ENSMUSP000 SMPDL3B	2106027800	1993461832	1899593028	310416314	153086256	430607641	0.149041	7.0183E-05
ENSMUSP000 COL4A2	1208569067	596738504	621240554	2306571124	1258105240	2397336164	2.45699	0.0474289
ENSMUSP000 HIST1H1C	8851810558	7105567190	6611797565	1.2498E+10	5836288472	1.1445E+10	1.31948	0.331407
ENSMUSP000 RPLPO	2623182891	1897962304	1989753109	1773043475	1197630734	1599211158	0.701882	0.085426
ENSMUSP000 TOLLIP	1275967001	1216401097	911499355	1192816607	595965288	912716928	0.793655	0.319352

ENSMUSP000 PSMA6	1405543824	1044142318	1101104903	568591463	376434616	887926477	0.51621	0.0373691
ENSMUSP000 SLC7A5	2.0129E+10	1.7503E+10	1.3886E+10	5659438545	3930451046	5440293262	0.291745	0.00299697
ENSMUSP000 SLC1A4	8236889195	7611409075	7547319833	2575192601	1615277720	2362394329	0.28009	0.00010404
ENSMUSP000 FBLN1	586602390	500682640	530258425	1196239450	847735039	892164333	1.81518	0.0173768
ENSMUSP000 EPB4.1L1	680677505	539796486	525716586	142164245		96580186.7	0.205085	0.00598436
ENSMUSP000 KRT16	1858533201	676712725	1352233247	2973313771	2364897176	2355042068	1.97898	0.0334873
ENSMUSP000 RPS6	3380053711	2441621188	2360143799	4587004250	2354645751	3315467944	1.25365	0.3938
ENSMUSP000 PFKL	502400399	416967641	367655732	322669137	101637238	268378005	0.538206	0.0623951
ENSMUSP000 CDC42	1.2629E+10	1.0183E+10	8656800861	3225565271	1032208396	3305371280	0.240342	0.00441787
ENSMUSP000 MAP4K4	721333544	547637719	479771750	325874433	179611806	184071016	0.394316	0.0150722
ENSMUSP000 IGF1R	387537027	390229436	312976772	174998599	86509570.6	90564032.9	0.322782	0.00303294
ENSMUSP000 SLC39A10	2019155644	1532304385	1556391401	394193562	44149609.8	331939136	0.150803	0.00165298
ENSMUSP000 PGM2	286500927	209531388	174110592	698600947	233934954	579173493	2.2558	0.121725
ENSMUSP000 GM10259	636234813	385629891	446928978	238900770	38840928.7	54147993.3	0.225961	0.018715
ENSMUSP000 RPS18	2540554889	2007242113	2333715681	4939920228	4229069432	3835308424	1.88974	0.00470616
ENSMUSP000 PSMA4	1123236143	800619578	995518102	553426292	488279824	516711997	0.533819	0.00902776
ENSMUSP000 PLCB3	496331476	377140944	396978447	1.0946E+10	14499075.3	15017092.9	8.63868	0.42482
ENSMUSP000 TMEM2	301155466	246552209	147345539	146260771	78064231.8	47527911.7	0.391125	0.0582274
ENSMUSP000 SNAP23	1960609613	1694655161	1300292687	419847289	205174073	408643008	0.208587	0.00305226
ENSMUSP000 NCSTN	1330214586	1310573521	1306396162	242150197	144263260	262996778	0.164525	7.9195E-06
ENSMUSP000 ACTN1	202555116	142128421	192183647	222387525	78994975.2	195581065	0.925673	0.794622
ENSMUSP000 AP2A1	292412037	259451145	220815542	114834760	57804633.6	50434663.2	0.288702	0.00322016
ENSMUSP000 CALML3	3337509318	4216648556	4707735467	1162667641	557244443	1593080957	0.270186	0.00399076
ENSMUSP000 VPS37C	359098486	461095405	339117090	1470457944	540257964	471301094	2.14094	0.245664
ENSMUSP000 GUSB	810809134	489230978	639408297	356019621	451565668	568219224	0.709379	0.166768
ENSMUSP000 CAPZB	854121438	798092571	461609109	467779084	328010489	360662474	0.54709	0.0695659
ENSMUSP000 CHMP6	1700173751	2044071429	1371224283	430252090	119498531	146448238	0.136097	0.00251008
ENSMUSP000 BCAT1	1219572031	891416189	787208581	120807807	72090016.2	164966125	0.123478	0.0031211
ENSMUSP000 KRT1	3898637033	2863997983	2694850180	7797839161	3847144414	5254207753	1.78686	0.110904
ENSMUSP000 TOP1	336419151	239975374	229390740	358191500	123754602	230163165	0.883746	0.701663
ENSMUSP000 PSMA5	1274688871	925078821	932326735	842940192	329235068	1166705125	0.746747	0.382459
ENSMUSP000 ABCE1	593158510	513463241	466276808	429430289	237640118	389294105	0.671604	0.0674889
ENSMUSP000 MAPK1	639968036	593064754	604013698	386426728	191519589	217168481	0.432822	0.00521227
ENSMUSP000 ERBB2IP	533798797	839693058	482725053	112890266	30805830.8	61127254.3	0.110344	0.00847056
ENSMUSP000 KRT42	948342035	836515171	831964037	1969358199	1363888418	1253633634	1.75284	0.0437083
ENSMUSP000 TSPAN14	920650368	735779192	666480901	644830921	505777715	544265931	0.729634	0.0726298
ENSMUSP000 IDH1	586353898	321766546	390328276	180509528	872727318.1	98205030	0.281865	0.0212869
ENSMUSP000 ABCB1A	789339018	685382581	503395826	131222067	52918989.7	130102386	0.15886	0.00317073
ENSMUSP000 RAB5C	4148153745	3509587581	3220664073	1169421444	657332382	1206547170	0.278837	0.00131531
ENSMUSP000 SLC7A3	2790499791	2262387397	2168487004	373987045	199308249	538165206	0.153913	0.00071694
ENSMUSP000 GM10116	609837081	744944876	252645917	4974947020	5448029804	3066755155	8.39212	0.00594792
ENSMUSP000 PLXNA3	697911919	784433606	516828792	51789093.4	27021373.1	193547963	0.136236	0.00365635
ENSMUSP000 RPLP2	4151011474	2632203426	3234958872	4032137987	2479925669	3647773516	1.01414	0.944939
ENSMUSP000 SLC29A1	4499798811	4010758205	3735808908	976746256	1433760481	881771731	0.268837	0.00044461
ENSMUSP000 RSU1	1239726648	1161332526	1125817232	279228555	131699557	241628953	0.185024	6.6545E-05
ENSMUSP000 HSP90B1	2779593048	2056774383	2411441674	2484582868	107838026	2333008355	0.679575	0.385899
ENSMUSP000 RHOB	3847829916	3695439147	3463949528	1132298734	582361672	1068540985	0.252852	0.00018584
ENSMUSP000 GPM6B	4916656581	4317774123	3293561432	3602935137	1418629959	3055332456	0.644708	0.140718
ENSMUSP000 APR7	3733276549	3359539193	3352574616	2204340407	1061776063	966187074	0.405184	0.00768038
ENSMUSP000 L1CAM	421463778	500223205	444087119	232765188	58560051.8	105962349	0.290888	0.00480029
ENSMUSP000 PLCD3	942658260	711513676	740718835	167557803		211786355	0.237596	0.00776352
ENSMUSP000 KRT13	1802185304	1058848959	1470362130	2844727169	1734950187	1307839528	1.35926	0.363227
ENSMUSP000 EIF3B	285811717	324196416	381616547	333237213	226267313	258198083	0.824609	0.241386
ENSMUSP000 PRMT1	457931906	279849539	260690778	196970525	119554897	96363548.9	0.413521	0.0489397
ENSMUSP000 CLIC1	1464990383	1551340503	1478411096	829712665	264802849	314866301	0.313562	0.00488164
ENSMUSP000 RAP2C	967103402	2717361763	650155178	578419377	127257806	433609834	0.262834	0.179985
ENSMUSP000 HIST1H2AH	1613807363	2165419164	1466357950	351462694	467497857	477926265	0.247234	0.00370386
ENSMUSP000 CSNK1G3	625725464	860241634	733241121	226299159	104570536	175695422	0.228264	0.0017165
ENSMUSP000 PITPNB	804021893	579084272	565136522	158727585	36914287.1	76312282	0.139589	0.00281089
ENSMUSP000 DPYSL2	543403843	342345298	308983752	1269704768	468292660	502889707	1.87564	0.268512
ENSMUSP000 KRT17	1572487400	836515171	1309772638	2463388733	1269052279	1314223902	1.35708	0.37735
ENSMUSP000 DIP2A	685118312	799848524	824056343	211379061	223040924	326917397	0.329723	0.00079474
ENSMUSP000 PSAP	639157585	529475432	679867969	48623100.4		124286583	0.14031	0.00377392
ENSMUSP000 RPL17	594448226	470769897	332096290	935274194	587702300	572610659	1.49972	0.173213
ENSMUSP000 RARS	218252090	147067845	176520150	337887555	31210534.9	258605089	1.15847	0.776402
ENSMUSP000 PCDHGC4	414019718	366512383	254386939	289285624	223105199	131059803	0.62174	0.118836

ENSMUSP000 RAB3D	1.0422E+10	9933960042	9190269285	2974329971	5092603553	2844510482	0.369303	0.00156848
ENSMUSP000 GNAT2	2.0466E+10	1.8507E+10	1.4011E+10	7342947104	4645300132	6549375820	0.34987	0.00518131
ENSMUSP000 GRK6	909453200	725574637	670757886	177714166		90974195.7	0.174791	0.00762497
ENSMUSP000 GNB4	3.5031E+10	2.5754E+10	2.8645E+10	6582173337	3408518823	4821767117	0.165633	0.00100242
ENSMUSP000 RNF149	436603816	376761208	349695275	214444600	78678246.7	78125111.9	0.319199	0.00715655
ENSMUSP000 RAB2A	1316539394	1244982871	1136520896	455236814	298745239	369879535	0.303907	0.00024279
ENSMUSP000 GSTP1	1224113286	1051057395	1043458260	229176946	234347101	292130046	0.227701	0.00016432
ENSMUSP000 CD47	2813636509	2616526240	2464069764	441896592	233500850	283991313	0.12153	4.1503E-05
ENSMUSP000 PTPRJ	540603111	413887321	354764418	28261561		1747084411	2.034	0.534218
ENSMUSP000 GNB2L1	832932862	647223579	1100336026	802780993	665426056	739381505	0.855491	0.416703
ENSMUSP000 TENM4	591925464	432371611	451864300	258141818		324401245	0.591951	0.0628864
ENSMUSP000 HIST1H2AL	1286503746	1704143709	1090781944	303085918	305535077	412473285	0.25018	0.00522193
ENSMUSP000 ITGAV	393213742	473470761	369510172	134712073	55554316.8	50787683	0.194997	0.00133988
ENSMUSP000 GART	500203744	401821101	364965606	96214227.1		52387785	0.175931	0.00782023
ENSMUSP000 RASA2	896761888	412710594	703997912	25433203.3		43665039.4	0.051477	0.0394131
ENSMUSP000 HPX	1719944947	1458323982	1303106557					
ENSMUSP000 PYGB	340329192	272311771	286178909	926180681	772810316	830288320	2.814	0.00038529
ENSMUSP000 PSMA3	948277139	544959015	740231926	441261561	462361678	528410722	0.641171	0.0888222
ENSMUSP000 GM4204	3018767464	2076508356	2392669841	1449377168	1021009761	1307606693	0.504543	0.0152805
ENSMUSP000 OLA1	706312623	584376998	477363479	324755828	288424941	256753259	0.492029	0.0122619
ENSMUSP000 DSTN	1620977434	1199587908	663822200	693180021	581897782	343957093	0.464654	0.103162
ENSMUSP000 RPS24	707012575	486941996	633309582	850222862	341624875	309248735	0.821499	0.591651
ENSMUSP000 MDH1	2691612069	2221635216	1956848629	727735091	395492153	695991718	0.264803	0.00215785
ENSMUSP000 SRM	1290196035	1115579667	764520720	377576849	97921904.1	226936455	0.221568	0.00919685
ENSMUSP000 FDPS	1708268465	1275684831	975061698	285843035	138950085	238980271	0.167661	0.00719053
ENSMUSP000 ISLR	1113870405	1108201502	1137276254	301839847	10327028.1	173132961	0.144462	0.00035006
ENSMUSP000 HNRNPU	221326283	271448053	227605163	728357688	237062708	532259451	2.07902	0.145614
ENSMUSP000 RPL9	812346639	474476683	589104619	724168827	242642748	375374201	0.715478	0.36565
ENSMUSP000 RPL10	1072855189	880402399	757194829	994834650	416025960	508361454	0.708082	0.261036
ENSMUSP000 WARS	435893219	295887882	269544609	163599200	77346128.6	107267373	0.347752	0.0193131
ENSMUSP000 G6PDX	648821539	589418000	527618542	213725934	16829002.1	131795977	0.205198	0.00220928
ENSMUSP000 MLLT4	424405636	309375671	271386438	94492555.6		38024173.7	0.197753	0.0236304
ENSMUSP000 NCS1	2540202468	2150792377	2006519434	300239042	102540154	425335155	0.123645	0.00045259
ENSMUSP000 PFN1	2093297973	1549644011	1256107527	1206316824	937509343	462892515	0.532087	0.080091
ENSMUSP000 TNIK	718152428	517025399	471881737	284640891	85922777.7	200734509	0.334668	0.0163979
ENSMUSP000 SLC29A1	4499798811	4010758205	3735808908	976746256	1433760481	881771731	0.268837	0.00044461
ENSMUSP000 RAP2A	970728400	2717361763	669752385	479446692	85447014.1	364204849	0.213202	0.153003
ENSMUSP000 GCN1L1	1024315345	989302289	897097713	3519873861	1101499720	1721822781	2.17926	0.190248
ENSMUSP000 KRT6A	716108559	515499173	585906510	1206262481	1234059339	1052221903	1.9216	0.00238208
ENSMUSP000 RAN	4524184213	3106598669	3364476048	3202191509	2177791235	3372251819	0.796001	0.2625
ENSMUSP000 SRC	1497009498	1288129826	1046897289	520198847	147288435	529807070	0.312443	0.0083312
ENSMUSP000 EPB4.1	336765996	570184549	318355158	106049702	129134809	116547993	0.287057	0.0231541
ENSMUSP000 DDAH1	554507304	258608884	527496129	122781376		62626075.9	0.207451	0.0647577
ENSMUSP000 RPS15	475344384	315298191	372765462	1035975392	395454654	459865982	1.62565	0.310106
ENSMUSP000 NPTN	2104497314	1416026500	943751493	194577524	236528546	532575918	0.215865	0.0298817
ENSMUSP000 PPFIBP2	484858972	354920020	388029743	61322356.3		54476309.6	0.14147	0.0060539
ENSMUSP000 PLCL2	354183974	304311203	236365559					
ENSMUSP000 ST13	903963513	729224115	706884492	435939224	231404743	461095916	0.482224	0.0135089
ENSMUSP000 STXBP2	458152324	352316063	344355350	143282771	167648844	220608388	0.460278	0.00858969
ENSMUSP000 GOT1	739916068	750552679	729146632	76074567.6		65050811.7	0.0953715	5.3108E-06
ENSMUSP000 CEP55	455521360	180651171	168194776	1252057094	557152429	1519068370	4.13776	0.0493564
ENSMUSP000 RPL30	371485237	214376276	204043157	672534979	217719007	254742979	1.44954	0.489119
ENSMUSP000 GNA12	1.7539E+10	1.4999E+10	1.1135E+10	6456458446	8319569740	1.1323E+10	0.597604	0.066531
ENSMUSP000 PEBP1	3239788473	3595771016	2480631310	679548212	230246857	558155350	0.15757	0.00181032
ENSMUSP000 TRPV2	646275333	451632202	347427407	97440331.6	16838762.1	18065459.9	0.0915663	0.00877049
ENSMUSP000 LLGL1	448212501	354870867	381710648			69420057.9		
ENSMUSP000 GLG1	244426849	191993222	138982462	284037303	94277123.1	233620710	1.06349	0.85922
ENSMUSP000 OTUB1	499651638	271555370	411165852	59218025.5	95593612.9	81030054.4	0.199465	0.00935731
ENSMUSP000 PLOD1	219580498	110420297	114060097	482490686	287719826	471515521	2.7963	0.0215452
ENSMUSP000 EMILIN1	290960426	202130638	206311703	581413494	365737434	567704469	2.16593	0.0227406
ENSMUSP000 EIF4A2	346924252	262358695	238188051	606885813	493839835	671995172	2.09178	0.00745759
ENSMUSP000 ACTR2	423367378	268351844	261469391	287455972	126389714	278394624	0.726236	0.30681
ENSMUSP000 RPL10A	1196811514	715963739	1073730650	125260893	84781111.2	140304591	0.11731	0.00375866
ENSMUSP000 PSMC1	649652582	378549337	433246343	469281009	365346744	472625575	0.894492	0.598302
ENSMUSP000 LGMN	373168090	270976013	274620432	266292369	296774028	237514921	0.871367	0.353807
ENSMUSP000 SNX18	303444095	164781164	182117342	229817877	33197972.6	123546941	0.594399	0.286949

ENSMUSP000 FKBP4	787560892	342112673	330317922	126427034	185908755	168897108	0.329614	0.0976353
ENSMUSP000 PYGL	340329192	272311771	286178909	926180681	960726461	1031641216	3.24709	5.5622E-05
ENSMUSP000 ADAMTS4	237064668	218513097	223241299	394666341	441498999	487101710	1.94937	0.00140177
ENSMUSP000 TOP2A	131799063	115604381	155986627	181565546	100547081	167029375	1.11342	0.609502
ENSMUSP000 RPL18	3957767211	3482754286	3393191856	4585263839	2887078206	3750088356	1.03588	0.815703
ENSMUSP000 GPC1	450845281	465033001	360536617	428258139	49664611.5	216970418	0.54441	0.165205
ENSMUSP000 RPL23	1079391738	355401793	958441951	628958322	91187782.4	533276961	0.523736	0.244228
ENSMUSP000 ANXA5	524763846	479107542	561088838	204134299	165154478	114463840	0.309115	0.00051078
ENSMUSP000 DDR2	1010024618	849353855	818899267	354564265	39744422.1	122608053	0.193004	0.00293667
ENSMUSP000 USP9X	98593159.7	38360153	49339021.6	174371804	171526415	136023157	2.58691	0.0114375
ENSMUSP000 KRT2	1101352573	454894354	810863837	2145539156	1151447336	1535485680	2.04151	0.0755694
ENSMUSP000 COPA	212838292	109697105	124913448	209318309	188278139	180236338	1.29139	0.261792
ENSMUSP000 TKT	471826558	368526090	354359092	68092128	132371811	132410641	0.278623	0.00255974
ENSMUSP000 CSNK1G1	632539246	860241634	733241121	226299159	125542602	175695422	0.236986	0.00141446
ENSMUSP000 CDC42BPA	196971157	298684088	156522250					
ENSMUSP000 F5	215087637	115107571	143278710	2051821262	1421231879	1884725832	11.3159	0.00103829
ENSMUSP000 PRPS1	492406519	463974823	346503519	388303598	113263901	346457721	0.650883	0.191289
ENSMUSP000 PSMB1	968363288	831718990	767222924	98400999.3	486202231	712845030	0.505374	0.0885936
ENSMUSP000 NGFR	991052374	310590513	388110784	210986882	212731649	418917144	0.498674	0.279392
ENSMUSP000 TGFBR1	816136058	580491897	642409927	210917239	349539291	304589535	0.424242	0.00863721
ENSMUSP000 ADH5	587608735	675573983	642906880	226389195		309001972	0.421327	0.00389393
ENSMUSP000 SYT4	636315468	441194569	432770624	265640368	151936630	186958844	0.40028	0.0154471
ENSMUSP000 RAB21	1118024197	1056871530	943157912	402182930	188125492	543066582	0.363488	0.00455714
ENSMUSP000 GSPT1	415565504	260438592	287775641	94119441.7	104067855	56882770.7	0.264656	0.00908783
ENSMUSP000 MOB1B	1437036793	1175189266	1332874882	157409254		123108330	0.106658	0.00129029
ENSMUSP000 RPS15A	1188229899	855199950	951155294	983460009	1180648256	969040927	1.04627	0.720402
ENSMUSP000 XPNPEP1	343232143	189993727	128443491	128043025	18235275	138831388	0.430894	0.167664
ENSMUSP000 RAB22A	1060211687	676355103	810694172	278467062	48829536.2	184946538	0.201096	0.00656746
ENSMUSP000 NAPA	664212324	646352498	538720004	72024666.6	28353638.3	118098432	0.118141	0.00031881
ENSMUSP000 GM5745	861800546	671910716	663360147	814909868	655422645	496426577	0.895173	0.532319
ENSMUSP000 RPS17	960982232	839782626	1097318714	709415680	987295605	604491246	0.794043	0.218124
ENSMUSP000 PAICS	644143571	428298859	447886168	179331643	29226291.2	185338231	0.259086	0.0118978
ENSMUSP000 H2-D1	1745115079	1694357766	1375267371	204636383	351150426	403384091	0.199215	0.00059002
ENSMUSP000 TXNRD1	623708776	522834619	571465890	109755039				
ENSMUSP000 CSE1L	4.7643E+10	149682095	178437038	67781073.3	58183011.9	4.3465E+10	0.908692	0.94898
ENSMUSP000 FSCN1	843727111	675882526	478322586	409870533	275810350	324516581	0.505622	0.0431072
ENSMUSP000 PARP1	403849974	264117738	173261041	67986296.1	85743502.2	80617913.2	0.278578	0.0396584
ENSMUSP000 EIF3L	327198712	234604947	265570057	355733603	142300696	351138209	1.02635	0.927927
ENSMUSP000 RCC2	458311458	297760396	298946053	213016150	159372342	226787155	0.567929	0.0564602
ENSMUSP000 NUP93	179068250	245840904	257008447	102532311	143403635	67737554.6	0.459987	0.0199111
ENSMUSP000 MINK1	573462057	517025399	468428552	272372535		184071016	0.439193	0.0107317
ENSMUSP000 YKT6	1212914990	1187397781	769142128	174266297		135344206	0.146528	0.0168212
ENSMUSP000 4930550L24R	639361978	828589699	672025655	149799449	47599458.3	105559309	0.141571	0.0007276
ENSMUSP000 GLRX3	723757708	509363248	532763502	125640992	24750341.7	65915463.6	0.122492	0.00220994
ENSMUSP000 PCBP2	843983291	802335878	680106505	1104922350	498872751	942723133	1.09461	0.715821
ENSMUSP000 AP2M1	582138165	431044620	460780518	460071076	98429849.8	265455212	0.559007	0.1308
ENSMUSP000 RPS6KA3	275067297	213874130	232918563	105585850	117779817	123624383	0.480689	0.00268358
ENSMUSP000 TAOK3	765003563	735846425	571197636	360223359	316412098	194678251	0.420509	0.00684896
ENSMUSP000 ATRNL1	343190882	295748227	284377066	165351345	70238666.6	103564642	0.367323	0.0042091
ENSMUSP000 PPFIBP1	424201747	286196955	366479847	122549647		61980802.1	0.257035	0.0179027
ENSMUSP000 GNG2	7605748568	1.024E+10	9642738787	2284530188	1441645289	2431556452	0.224013	0.00114175
ENSMUSP000 ACOT7	1143611125	915697876	897261104	274144422	87458215.4	236907403	0.202434	0.00129193
ENSMUSP000 MAPRE2	68805821	50833940.1	52526765	657844887	573354421	445349357	9.73795	0.00127256
ENSMUSP000 PSMC3	156160260	176445338	65765490.3	346657740	229728609	135400646	1.78674	0.209511
ENSMUSP000 BROX	919050948	689518868	853522837	1556458152	846716877	1353546351	1.52582	0.123597
ENSMUSP000 RAB39B	9455150234	8720280346	7998096014	8179585007	5092603553	8169634463	0.819218	0.228418
ENSMUSP000 CDK1	1118811683	1277767666	678598170	770085860	1203492934	387399384	0.767754	0.466484
ENSMUSP000 PSMA1	744774084	546044694	569983559	376514159	232040613	506601726	0.599288	0.0697154
ENSMUSP000 PLCB4	1017092037	893716975	685784459	346281164	172328587	221323737	0.284963	0.00485516
ENSMUSP000 UCHL3	581936447	464517936	407113185	211725332	70850355.7	50192832.2	0.228932	0.00665396
ENSMUSP000 CNDP2	160803369	174130618	158676380	103047717	88236586	1637823986	3.70557	0.435387
ENSMUSP000 RAB12	9509320010	8756863629	8050600428	8179585007	5092603553	8169634463	0.814758	0.21716
ENSMUSP000 LYN	959343043	972505980	553033791	444387361	454186272	394323304	0.520305	0.0459285
ENSMUSP000 ARHGEF1	229452762	143025719	227206067	157122287	40370587.9	41943911.7	0.399271	0.0666193
ENSMUSP000 SLC12A2	508505624	422498428	386713129	69974271		33852298.9	0.118189	0.00411212
ENSMUSP000 RHEB	830581076	713917879	681273857	18827446.1		47074739.4	0.0444135	0.00126784

ENSMUSP000 H2AFV	2395209087	1436900168	1402181935	2002962917	1414080095	1978104504	1.03073	0.894042
ENSMUSP000 MAP1B	118634215	94865799.5	64021871.7	80790380.3	110704123	55442071.2	0.889791	0.673587
ENSMUSP000 SLC4A1	855042157	828949748	752201936	441541396	509244454	387663029	0.549402	0.00144376
ENSMUSP000 ENPP1	609867490	337997706	389145371	89667251.2	36477718.7	61848350.9	0.140607	0.0106941
ENSMUSP000 BPNT1	997783953	676401078	799309266	150816289		70799202.1	0.134394	0.010538
ENSMUSP000 MARS	78254714.7	28995412.2	52110129.6	395678700	231554919	245933814	5.4792	0.0119105
ENSMUSP000 PCBP1	995908111	888067685	735229784	936480508	709851747	865522641	0.959014	0.740974
ENSMUSP000 RPS12	592461096	430755948	804882087	766883437	391254726	227757609	0.758107	0.487356
ENSMUSP000 GAA	404698817	296886436	269430755	303634675	60043847.6	168593210	0.54816	0.147789
ENSMUSP000 GRB2	558494191	509000078	583060545	331561310	221539987	222240232	0.469746	0.00236974
ENSMUSP000 RANGAP1	322785248	252656957	204550448	89354696.8	122828578	138711132	0.449869	0.0185164
ENSMUSP000 PARVA	612297905	489652497	374930724	108206407	110891904	205016838	0.28717	0.00970566
ENSMUSP000 LRRC57	977665701	792179816	785845821	187885158		117617080	0.179307	0.00380483
ENSMUSP000 WDR48	329662757	313135673	310485551	35241252.9	40652709.7		0.11942	5.1461E-05
ENSMUSP000 FMNL1	432421265	187951702	234007847			35408926.7		
ENSMUSP000 NSF	145330228	171242632	151484266	119910851	88062548.8	122544161	0.706148	0.0277625
ENSMUSP000 PCDH1	1545306080	1439150037	1299910938	1145312163	755933526	1012218137	0.680022	0.0273741
ENSMUSP000 MAPK3	354229394	433404892	487407913	295919635	314161931	215509034	0.6475	0.038057
ENSMUSP000 HMGC1	508828205	479749160	452970840	125777165	238544112	312782021	0.469705	0.0108759
ENSMUSP000 RAB5A	3176102527	2748782139	2514083048	863435928	764510038	853078368	0.293996	0.00053736
ENSMUSP000 DDAH2	923603655	654802404	684918203	197623744	172434531	77422554.2	0.197709	0.002827
ENSMUSP000 SLC39A6	1896901285	1659794195	1224260276	367511914	172394332	396071068	0.195772	0.00359215
ENSMUSP000 DLG1	545550275	453548289	439536514	84986006.3	46671824.9	20232618	0.105579	0.00035816
ENSMUSP000 RAB23	1388106412	1296816236	1291530489	147728208		123075047	0.102152	9.3108E-05
ENSMUSP000 SLC6A9	2771459551	2369394775	2297099938	412281116	164130304	171093669	0.100499	0.00018877
ENSMUSP000 STXBP3A	447266584	347898138	313734889	21424506.1				
ENSMUSP000 ANGPTL2			430262297	296680199	312369232			
ENSMUSP000 BANF1	1133133814	265247591	487506618	2338859009	633026359	1663391887	2.45788	0.177141
ENSMUSP000 RAB13	4487733716	4493430634	4299531750	1734855704	2131239530	1543077804	0.407296	0.00014204
ENSMUSP000 PSMB2	709547784	588974487	529763551	137940040		247049830	0.315861	0.0134881
ENSMUSP000 PSMB5	743131107	681712019	590566321	244646239	203627217	152607184	0.298143	0.00080193
ENSMUSP000 ATP1B1	1038048176	720879984	623518019	139623739		171060624	0.195608	0.0290682
ENSMUSP000 ABCC1	261950665	143930952	145999769	27012768.2	33220887.2		0.163713	0.0553247
ENSMUSP000 NAA25	306640965	224478413	228270254					
ENSMUSP000 SYT6	533659598	342819382	333292082	42525592.6				
ENSMUSP000 SLC6A15	268248500	576503256	460884891		51701259			
ENSMUSP000 MVP	50510614.3	12787631.4	21245948.9	250524988	135560637	161556808	6.47759	0.0135474
ENSMUSP000 PZP	1953859024	1637039037	2187847144	1.0828E+10	9683723002	1.1598E+10	5.55648	0.00011006
ENSMUSP000 GFPT1	120982052	189178157	103232979	95429676.9	102919197	261844496	1.11321	0.8085
ENSMUSP000 WASF1	503601498	494647097	364469516	134539039	116235834	330675787	0.426684	0.0337273
ENSMUSP000 RPS14	1929278890	1398317068	843746691	746943172	295017672	475300202	0.363735	0.0598237
ENSMUSP000 DNAJC5	1469539704	1364129800	1172083841	587317013	205499241	595999884	0.346705	0.0049522
ENSMUSP000 GMPS	185283054	135352103	130695562	65837199.1	30147986.6		0.319008	0.0296717
ENSMUSP000 XKR7	729979380	606234205	560668731	163982155	98106166.3	102762246	0.192342	0.0007409
ENSMUSP000 EPB4.1L5	393667215	314035319	250030544	23459872.6	40370082.8	34620240	0.102795	0.00238305
ENSMUSP000 ACO1	104807022	65139185.9	69282016.5	394138586	304121738	464512704	4.86052	0.00305909
ENSMUSP000 PSMD3	219325591	100429303	165356662	415899925	206412801	396812565	2.10081	0.0770411
ENSMUSP000 RPS20	1359966127	831512871	1004306069	1391728220	510803688	1042434592	0.921516	0.79407
ENSMUSP000 MVB12A	578031327	479607975	384046638	689757391	231227168	383901091	0.905111	0.770356
ENSMUSP000 CAPZA2	1040716740	738693048	996817129	1227807867	509749438	562275684	0.828402	0.559167
ENSMUSP000 KARS	147123603	81036557	91277232.2	80794623.6	53612724.6	91565006.1	0.707408	0.254478
ENSMUSP000 UBE2N	2105174453	1920757505	907249237	626247160	287711698	574354648	0.301694	0.0412571
ENSMUSP000 PPAT	430468165	313472200	366702108	170875940	74609272.7	67009044.5	0.281364	0.00500848
ENSMUSP000 IFITM2	2318539170	1630698118	1568950187	739365206	416152013	305449913	0.264755	0.00776334
ENSMUSP000 LAP3	393940728	270105897	238989825	102707450	35770577.9	42802371.2	0.200745	0.00974779
ENSMUSP000 CTHRC1	353791663	230662396	237242399	2009914904	1697393935	897307679	5.60379	0.019458
ENSMUSP000 PAFAH1B1	217534354	131909964	143125042	93555678.4	88429984.3	108973489	0.590697	0.071384
ENSMUSP000 SLC2A1	1960569615	1306376389	1232972542	791820573	283235751	525821511	0.355757	0.0242902
ENSMUSP000 RAB5B	3118204307	2709024564	2477225759	1258502410	764510038	853078368	0.346331	0.00169248
ENSMUSP000 H2-Q1	2231628924	3121060710	2583647843	902779276	341750394	877192881	0.267343	0.00361229
ENSMUSP000 SLC4A8	254633054	188288255	121827347	44539358.1		39599433.4	0.223476	0.0599538
ENSMUSP000 CNP	497633485	461523437	580265942	73600641		105869176	0.174874	0.00287653
ENSMUSP000 RSPRY1	367378462	445682357	459154016	59935379.7	57622400.1	80640336.6	0.15579	0.00026569
ENSMUSP000 TAOK2	433588131	345529770	259981745	53217445.4				
ENSMUSP000 RPS18-PS3	2321077524	1894252667	2199981055	4368549514	3834055935	3141343264	1.76826	0.012112
ENSMUSP000 DISP2	399221279	310495860	250665549	246059398		199809243	0.696392	0.194176

ENSMUSP000 TPT1	1123851378	593414366	839268071		303328474	428249185	0.42924	0.0964867
ENSMUSP000 PFKM	220150632	329908761	254043006	142536964	55599789	136677555	0.416383	0.0218305
ENSMUSP000 FERMT2	417660830	265998739	315465193	53350739.2		100733611	0.231329	0.0239315
ENSMUSP000 ALDH9A1	952161309	208793479	791830728	50402503.1		208961397	0.199226	0.178063
ENSMUSP000 MARK2	451869336	447806051	237062882	79159062	36659856.2	100607624	0.190393	0.0139126
ENSMUSP000 NAPG	663467541	442031301	381868551	139289331	25797111.3	46335718	0.142145	0.0100327
ENSMUSP000 LANCL2	457429767	404274379	443117324					
ENSMUSP000 HNRNPK	194107608	108101147	146930582	424898913	224978421	334643187	2.19202	0.0470532
ENSMUSP000 PARVB	312147900	226449720	240031942	207934723	523203974	267429503	1.28247	0.505333
ENSMUSP000 CRMP1	524355483	335998114	291679621	222440802	314112125	340737546	0.761515	0.315209
ENSMUSP000 GNAZ	360124164	272028366	773321964	58327119.8	52093521.1	832951920	0.671213	0.636669
ENSMUSP000 IST1	975274152	810412665	661739040	427368728	404406792	368320185	0.49035	0.0107306
ENSMUSP000 AK1	624477912	489302327	486794463	118354948	58162244.7	113584199	0.181248	0.00090404
ENSMUSP000 JAM3	1007456147	1111001217	1061962280	284505442	80627717.4	155520315	0.163706	0.00018439
ENSMUSP000 FTH1	319638758	315191803	423410096	3666853241	3584641414	2241171588	8.97023	0.00372994
ENSMUSP000 EGFL7	181813446	126036152	164903019	499208028	481049489	384635580	2.88712	0.0016194
ENSMUSP000 FJX1	283322558	115528886	338030514	623018801	690689758	620515635	2.62488	0.00486766
ENSMUSP000 UXS1	282656986	52957894		478998896	133718900	555914126	2.32137	0.323665
ENSMUSP000 SRRM1	2.0056E+10	1.0155E+10	8558953272	1.1579E+10	2.4123E+10	3.2056E+10	1.74767	0.23745
ENSMUSP000 PSMD13	352719663	104992099	246926968	359849041	297782809	355056345	1.43717	0.2401
ENSMUSP000 RPL27	605404333	679868017	377906289	863826089	608377898	398407211	1.12472	0.692101
ENSMUSP000 CNTFR	707785507	759258753	684987888	629460863	72916768.8	349463543	0.488766	0.0865284
ENSMUSP000 PLXNC1	224205865	147740061	169054115					
ENSMUSP000 SLK	294555283	273828574	236139962	40602532.4				
ENSMUSP000 RBBP7	139606410	90149418.5	81019547.6	248642225	149847532	117476705	1.66026	0.190526
ENSMUSP000 DAAM1	219955436	166362334	142095860	327569455	341517598	83802683.3	1.42481	0.437186
ENSMUSP000 MYBBP1A	155767611	72615015	104915716	179707718	124027250	134549060	1.31499	0.302883
ENSMUSP000 BC035947	1583896372	1016826060	1311350013	1117700968	767926025	1890735143	0.96531	0.90857
ENSMUSP000 APLP2	241505010	195698508	192587207	182857251	137246313	165641696	0.77128	0.0807872
ENSMUSP000 EIF3F	453863389	297387411	320782037	321739993	195975530	176234524	0.647322	0.131905
ENSMUSP000 RAB4B	1.4091E+10	8734714300	1.1975E+10	8179585007	5092603553	8169634463	0.61614	0.0754508
ENSMUSP000 ASL	141133812	145207624	115274492	27711691.4	63054128.6	128655818	0.546347	0.121886
ENSMUSP000 RAB34	488508325	514357645	408107752	117189647		96974569.9	0.227677	0.00324757
ENSMUSP000 ATP13A3	264227128	139221120	146470436					
ENSMUSP000 SERPINF1	73927011.3	46514647.1	75170175.2	1814018820	1940155647	2303908376	30.9699	0.00018586
ENSMUSP000 PSMD1	191046122	66520957.1	74414233.2	201073595	225887211	221935238	1.95462	0.0614975
ENSMUSP000 ADSL	548885411	481145840	226924523	317750802	120815023	363880447	0.638404	0.285924
ENSMUSP000 ACTR3	239501761	374161748	220244359	272726786	71478957.1	182175154	0.631222	0.247137
ENSMUSP000 STX12	658426497	565828652	444782253	270840052	82344567.9	208153257	0.336325	0.0112834
ENSMUSP000 RAB2B	942887078	872753132	732349718	341475649	159854479	255703146	0.29711	0.00181731
ENSMUSP000 LAMP1	850471846	1276986521	1421098918	501982808	293415136	79046411.9	0.246422	0.0132945
ENSMUSP000 TALDO1	250529035	301948341	308848405	85335450.6	46368208.3		0.229362	0.00415481
ENSMUSP000 ABI2	1192865295	1033622314	1049722975	386961620	107290120	216610971	0.216977	0.00087198
ENSMUSP000 EFR3A	401506372	333760759	334526600	51582973.3		41334378.5	0.130283	0.00179068
ENSMUSP000 ALDH3B1	386187835	363399309	419231470		33358721.4			
ENSMUSP000 PSMC6	153234272	98915138.1	66431253.8	313611220	319561206	286911656	2.88807	0.0018146
ENSMUSP000 PSMC5	152847802	104010331	76160326.2	293722771	203821418	351132898	2.54844	0.0237285
ENSMUSP000 ARRDC1	271510065	239948126	220526379	357115119	218634405	393370853	1.32396	0.225937
ENSMUSP000 GM7536	1029069298	2245096213	2671921571	2906815207	2348137190	2227878608	1.25845	0.392356
ENSMUSP000 PCBP3	756220929	684051804	622954038	944473465	596474262	876637121	1.17175	0.355871
ENSMUSP000 VPS35	283122510	206554008	253242459	165456416	100150338	164459146	0.578887	0.0282986
ENSMUSP000 RPS6KA2	274493987	176510902	219975332	100554002	117779817	123624383	0.50964	0.0197974
ENSMUSP000 ETF1	432139499	383861550	265293678	125721926		123429181	0.345628	0.0346284
ENSMUSP000 CLDN25	1379560669	1322064818	1124536608	421757479	467722384	335897989	0.320263	0.00055352
ENSMUSP000 STK24	383936277	314146379	291264872	106032848		74820620	0.274202	0.00797286
ENSMUSP000 GRK5	471688931	293325434	289761661	147407509		13762311.4	0.2292	0.060469
ENSMUSP000 AHSA1	595205167	444261144	299963312	222370819				
ENSMUSP000 DYNC1LI1	110231589	59905552.7	72219106.8	287157428	294451577	193395447	3.19779	0.00777788
ENSMUSP000 PRPH	504005743	55770712.5		825935668	382123285	603386894	2.15734	0.26201
ENSMUSP000 PRSS1	3.4455E+10	4.2352E+10	4.0205E+10	5.2849E+10	4.9899E+10	6.1796E+10	1.40623	0.0208615
ENSMUSP000 RNH1	229080871	184687611	96570419	136080316	128334172	80774149.3	0.676391	0.265928
ENSMUSP000 HPRT	392535571	307412244	304202548	241860829	127099525		0.551154	0.0772501
ENSMUSP000 TTYH2	793321755	613813660	774619793	463022887	344783271	358792938	0.534707	0.00765648
ENSMUSP000 EIF2S3X	483152354	419613802	372674408	367432191	125060926	171287341	0.520432	0.0653354
ENSMUSP000 CTSD	416814272	294939385	290576722	122359298	156512505	190078733	0.46786	0.0177575
ENSMUSP000 BZW1	297729986	237298293	264169519	52299245.4	212274747	106246348	0.463991	0.0464843

ENSMUSP000 P2RX7	323354904	340778844	264881120	63600405.7		40068885.4	0.167386	0.00360923
ENSMUSP000 ITFG3	693989230	565438450	588054485	73072435.2	27336861.3	93242943.2	0.104819	0.00023682
ENSMUSP000 LY75	219565568	141875739	178306160			37047066.8		
ENSMUSP000 NAP1L4	1688189193	1510895192	1277886782	2253590221	2016199749	1067787600	1.19223	0.493621
ENSMUSP000 YBX1	211791697	100164397	42210602.3	182861882	21173586.7	64733409.3	0.758877	0.702502
ENSMUSP000 GM9493	473965233	187624498	405524435	307020109	76044289.7	261127843	0.603677	0.27484
ENSMUSP000 ITGB3	276519486	254459028	260055078	206008908	126045582	89061329.3	0.532362	0.0246961
ENSMUSP000 DBI	2087190792	1763774634	1686514929	104815203		1036804567	0.309244	0.0443933
ENSMUSP000 SOD1	1486707031	1619519064	1448123906	336394856	361112415	590329090	0.282771	0.00034552
ENSMUSP000 STX2	357340163	275764208	194018165	41290151		11581222.9	0.095883	0.0274787
ENSMUSP000 DOCK11	460624482	470783059	462620096					
ENSMUSP000 STX1B	466918188	314183568	289842898			46275503.1		
ENSMUSP000 VTA1	277062831	237947877	198371620	183579577	205663388	310470017	0.980839	0.924644
ENSMUSP000 WWP2	78830335.4	75740033.8	67220932.7	63291257.7	70624129.3	79265214.6	0.961176	0.645309
ENSMUSP000 PRKAR1A	395103108	191609044	199521648	138649856	195766710	310987859	0.820881	0.604636
ENSMUSP000 NCL	112984397	127014359	128551049	90874293.2	57269606.8	70164568.3	0.592344	0.0102967
ENSMUSP000 PSMB3	611421494	596026280	534882147	246594506	344203724	300671727	0.511654	0.00150222
ENSMUSP000 EFTUD2	1077607000	706353622	604797138	428765844	194845093	350488870	0.407785	0.0415464
ENSMUSP000 UBE2V1	1045766296	912509299	678341044	269436541	37722935.2	241262526	0.208002	0.00584456
ENSMUSP000 SLC38A1	5707002822	4749511910	4258235751	805774063	380857211	799601366	0.134982	0.00069359
ENSMUSP000 DNPEP	524239057	380042573	381973200	50433202.6		63639061.9	0.133029	0.00922421
ENSMUSP000 SLC30A1	708426001	454980691	547281901	63485762.8		36060833.9	0.0872865	0.0123668
ENSMUSP000 HARS	248550541	186367458	117421902	40142512.7				
ENSMUSP000 ATP6AP2	504052346	402782242	436436265	444216786	862725611	397724596	1.26904	0.469211
ENSMUSP000 H2AFY	295972942	145322425	188297279	145750007		104547524	0.596332	0.251871
ENSMUSP000 ARPC1B	281482996	93813048.7	168917018	142503519	87897645.1	84321327.4	0.578307	0.255508
ENSMUSP000 RPN1	477877231	216305265	190655603	165223717	138846453	121106834	0.480514	0.173541
ENSMUSP000 ITGB5	200340383	213628848	185616960	84768832.8	10144082.4	122241408	0.362174	0.0198167
ENSMUSP000 GPC6	262010297	116149723	221491503	77443226.3	89709764.7	44656504.9	0.353221	0.0468129
ENSMUSP000 SLC7A6	382081855	430149623	437764099	132880360	135098533	134831738	0.32225	8.5197E-05
ENSMUSP000 PTP4A1	434012899	456987878	409008467	73457850.6		50773961.5	0.143343	0.00033041
ENSMUSP000 PKN2	146565374	95007707.7	98734858.8					
ENSMUSP000 PIP5K1A	186277024	154006250	157395103	59329784.7				
ENSMUSP000 PSMD6	121874373	82306444	133769034	243102140	96160504.7	218873977	1.65154	0.201507
ENSMUSP000 RPL19	1425895233	1754037511	1167079677	1489777324	2027875148	1824357408	1.22889	0.224719
ENSMUSP000 NSUN2	99169496.6	53081728.3	49977209.2	55982851.2	70814642.4	113551807	1.1885	0.616953
ENSMUSP000 NAGLU	113569296	97736216.5	115309033	96656224.6	71235184.2	148112892	0.967514	0.886668
ENSMUSP000 RPL8	1448335676	693133319	729122889	1111185595	870370532	688721118	0.930218	0.819912
ENSMUSP000 STRAP	159383007	132000009	83416607.8	103891741	125816906	43717791.4	0.729527	0.365051
ENSMUSP000 DHX9	140425286	73791307.8	66742706	41178174	76683633.3	53661166.2	0.61049	0.228411
ENSMUSP000 MGRN1	287627695	283108476	293688011	125464734	95083314.7	125939642	0.400831	8.4956E-05
ENSMUSP000 ADCYAP1R1	598994468	462451593	505457143	369813228	43578093.1	141121284	0.353891	0.0322263
ENSMUSP000 CAMKV	426327215	332364676	299088657	214742665	28628295.1		0.345115	0.0728174
ENSMUSP000 SMPD3	653904764	640037248	474986029	243929204		158303297	0.341082	0.0171038
ENSMUSP000 PGLS	347162324	185961922	204986298	65462511.8	42872441.6	63764848.8	0.233163	0.0213473
ENSMUSP000 MFSD7B	800044157	872285148	895858023	159641552	160489214	120681351	0.171644	2.3567E-05
ENSMUSP000 EGFR	193650541	157696870	156269309	96048640.7				
ENSMUSP000 RBBP4	121694136	93555300.3	90658895.4	222415403	131568743	105106174	1.50074	0.238394
ENSMUSP000 STMN1	68847317	507892645	95197661.3	224639803	438397155	457911463	0.867649	0.780138
ENSMUSP000 IQGAP2	123470541	117522028	137651172	108578935		45458728.2	0.610222	0.141044
ENSMUSP000 PPP3CA	828001905	663372379	656814435	281935889		302997192	0.408437	0.0100776
ENSMUSP000 CHMP2A	249361965	110043185	319430595	80510717		104245927	0.408251	0.192505
ENSMUSP000 RAP1GDS1	325962703	205471613	160405293	72137746.1	17442218.5		0.194221	0.069308
ENSMUSP000 HEBP1	828843438	707366518	643043659	78005724.7	216643358	29104828.2	0.148562	0.00138555
ENSMUSP000 GIPC1	496842940	345517979	193156152	44204825.3		37728102.7	0.118684	0.074588
ENSMUSP000 MYG1	1684683117	2075390230	1898113813	51321011.8	13385220.9	23656570.9	0.015617	8.1797E-05
ENSMUSP000 CDC42BPB	230493008	648588573	148926115					
ENSMUSP000 CCNYL1	345928309	348407103	375557549	32971609.8				
ENSMUSP000 PHACTR4	400145413	382953391	313351321	101833613				
ENSMUSP000 TLN2	207892134	91075392.7	63633956.7	389013524	310554802	442078925	3.14849	0.0113046
ENSMUSP000 CSNK2A1	191185885	87059894.8	80939562.1	345233789	107141992	258698082	1.97968	0.208188
ENSMUSP000 D10WSU52E	180867418	126037456	120180038	210947493	85677711.7	184446820	1.12641	0.695327
ENSMUSP000 MYADM	686300178	871698790	767741359	1004563052	1279263001	285986189	1.10494	0.800275
ENSMUSP000 DDX3Y	142032325	48375848.3	81412178.3	108823065	72518411.4	118366375	1.1026	0.777669
ENSMUSP000 SQSTM1	271118361	121963148	176786010	228006400	97531233.8	278775687	1.06045	0.876553
ENSMUSP000 RPS27L	804207312	480748368	536935736	841221997	372674221	342816356	0.854448	0.665556

ENSMUSP000 GM9846	878359335	880487220	536935736	902833997	420667095	468533048	0.780577	0.429399
ENSMUSP000 TCEB1	357326980	286886044	254242318	173068255	177163693	135822478	0.540989	0.0142808
ENSMUSP000 FOLR1	458427491	342687610	384821107	190024972		177500042	0.464854	0.0170364
ENSMUSP000 SCARB1	825158221	816257583	762709219	353114545	221363112	495380143	0.445009	0.00547811
ENSMUSP000 ANXA2	216439301	139642294	125163472	67140834.8		24689272.9	0.286227	0.0638409
ENSMUSP000 H2-Q4	1423961851	1694357766	1375267371	83490591.7	576352566	605434219	0.281574	0.00539008
ENSMUSP000 IDE	248410211	169756508	169869161					
ENSMUSP000 CCNY	497503318	393801403	403166089					
ENSMUSP000 KRT76	2118497822	1482115762	1310516755	3091490878	1238186075	1187673338	1.12344	0.778891
ENSMUSP000 SHMT1	243120097	159281079	144692439	182844084	178127775	184038900	0.996193	0.983054
ENSMUSP000 TMEFF1	319153853	231316174	258085406	467590924	50303967.9	244033813	0.942333	0.905798
ENSMUSP000 ITM2C	197073986	157351952	125704821	212923993	27292620.7	88445036.8	0.684525	0.435971
ENSMUSP000 PNP	142208874	144878286	225621411	165688137		19986124.2	0.543216	0.314586
ENSMUSP000 GABARPL2	234878672	105654965	166306288	120272609	67931481	46732134.5	0.463531	0.104194
ENSMUSP000 PLAUR	1464829363	1417562411	894999218	725660382	82518604.9		0.320928	0.0844188
ENSMUSP000 B2M	1868838355	1395453822	1921223213	224010646	69904780.1	161423234	0.0878097	0.00080566
ENSMUSP000 NAMPT	143762687	71691447.5	119146122	33563079.2				
ENSMUSP000 UBE2K	532209549	511289783	411503285			68305141.7		
ENSMUSP000 HBB-B2	2478003200	1901383476	1625036980	3.3362E+10	3.4671E+10	3.9481E+10	17.9058	5.5691E-05
ENSMUSP000 KIF23	97336310.8	76089850.7	49167503.8	210165284	65327884.8	174771350	2.02281	0.172627
ENSMUSP000 MEST	354796742	178265767	331516716	463248065	496680021	478649914	1.66391	0.0271788
ENSMUSP000 AIMP2	146255979	105000998	121250900	299622877	114022604	188087257	1.61536	0.238931
ENSMUSP000 LUC7L2	116909913	48796464.9	66520989	139224681	95523849.6	76377772.6	1.33975	0.394717
ENSMUSP000 HIST1H1A	3833184842	3914852160	2742665019	7691341254	1270329799	2594812084	1.10159	0.867216
ENSMUSP000 SERINC1	463038730	382742787	393367174	424789071		321983195	0.903975	0.487537
ENSMUSP000 RPL13	2492174670	1733352464	1804013518	2023735308	1514571911	1219197791	0.789033	0.277147
ENSMUSP000 ALAD	289659295	297092257	310630817	117727185		108998747	0.378979	0.00021465
ENSMUSP000 PRDX4	2770804789	2919555219	2734168631	1299007975	334519600	894785577	0.300113	0.00232816
ENSMUSP000 FMNL3	174794455	133771631	525227094	107820542	39920545.3	98409419.2	0.295218	0.195058
ENSMUSP000 MARK3	371947262	279552996	154183598	76631977.4	36659856.2	104923255	0.270845	0.0415181
ENSMUSP000 XPOT	173543685	119491356	201709248	25755297.7	15769467.9		0.125897	0.0193575
ENSMUSP000 LTA4H	150910175	116962274	148095111					
ENSMUSP000 PSMB4	640818008	350742692	397493852	215194682				
ENSMUSP000 DPP3	248708963	187649708	228569865		35854569.7			
ENSMUSP000 AAC5	241515847	138402392	164715523			25020453.7		
ENSMUSP000 KIF5B	183162793	66910091.3	79444487.5	170232867		43480786.1	0.972848	0.96731
ENSMUSP000 GALK1	386064878	236966539	256063653	421540940	25458394.3	309690352	0.86076	0.763837
ENSMUSP000 RPS10	356986661	201401020	418663677	329988161	175709996	204771983	0.727157	0.329567
ENSMUSP000 CAPZA1	1062910233	758989152	762504613	599556739	557263723	512381779	0.645875	0.0424595
ENSMUSP000 ATP6V1B2	192355445	127650636	146646592	122173450		31259578.4	0.493192	0.157034
ENSMUSP000 UMPS	495126808	165530917	1401059173	733121006	130589987	138392259	0.486053	0.447536
ENSMUSP000 TBCD	139510940	180489621	164765057	53178919.7	49471359.5	85173943.3	0.387454	0.00385036
ENSMUSP000 NRADD	841438049	663348621	606891041	280687040		235136492	0.366408	0.0171564
ENSMUSP000 ARPC4	447576459	356937952	366599099	190765093	45337924.1	157197801	0.335835	0.00783686
ENSMUSP000 RPL24	2214472337	665345516	637036285	414681169	275676548	362298383	0.299318	0.191196
ENSMUSP000 PRKAG1	492671166	422005149	380392714	161380259	86333629.1	125499799	0.288181	0.00144263
ENSMUSP000 MCAM	435636242	366256787	380671508	48248093.3				
ENSMUSP000 CNNM3	243667944	171054313	155363172			41079995		
ENSMUSP000 41519	189152424	123432062	114587523	250486380	242998002	280561441	1.81202	0.011529
ENSMUSP000 SMURF2	168176602	81004183.5	62209606.4	139111352		94695514.7	1.12627	0.791071
ENSMUSP000 SND1	129067979	90959600.1	40558305.7	47120200.3	64421611	95200296.3	0.793374	0.572472
ENSMUSP000 VPS36	219626885	211518123	156543827	168148440		48880939.5	0.553939	0.186953
ENSMUSP000 NUDC	624689560	373230870	316375862	235460101	79052773.9	138702882	0.344835	0.052418
ENSMUSP000 CMIP	215033689	176832075	196464135	77775772.8	25280754.1	26379819.5	0.220006	0.00173406
ENSMUSP000 GNG10	987897772	762399194	831309511	120031560		157300754	0.16114	0.00369748
ENSMUSP000 NUTF2	496601744	283439443	485741979	63616867.2		32530314.5	0.113938	0.0255342
ENSMUSP000 BRK1	274506123	364097260	208838929	41903370.8				
ENSMUSP000 EEF1D	234243556	125827346		493403313	346493818	120231859	1.77767	0.407833
ENSMUSP000 EIF5B	117824140	42103337.6	125549471	127362891		63720672.2	1.00402	0.993262
ENSMUSP000 ATP6V0A1	132647403	55484394.9	62558890.3	91458260.5		64453609.3	0.932894	0.877158
ENSMUSP000 FRYL	57467352.8	51946261.2	52270589.8	28107859.6		71272138.1	0.921983	0.812578
ENSMUSP000 GM5093	2768623269	2246846973	2443204367	1288330664	1749563157	1575858134	0.618576	0.00951965
ENSMUSP000 SDC1	885028360	893059539	665448636	503804853	299183637	431117054	0.505049	0.0135295
ENSMUSP000 EIF5	363339565	221079767	254708115	19219086.8	86602938.6	79880007.3	0.221304	0.0104995
ENSMUSP000 UBTD2	448153601	281388403	209424051	76133518.1	69278498.1	30597760.8	0.187451	0.0243004
ENSMUSP000 AIDA	642021722	645253737	635800476	90411993	41539669.6	88368869.8	0.114567	3.9608E-06

ENSMUSP000 WASF2	2510595654	505589217	3526344237	112409835	43053399.1	45344476.2	0.0306927	0.0758923
ENSMUSP000 INPP5A	220890885	226779101	294133114	33969086.7				
ENSMUSP000 ACVR1B	218700026	171020097	158675423	34816016.5				
ENSMUSP000 PCSK6	99893325.2	23594014.7	33575494.8	111063968	41653269.1	31214805.6	1.17107	0.808837
ENSMUSP000 RPSS5	1641954965	1123530950	1185917144	1552031761	987135697	1482429384	1.01776	0.927482
ENSMUSP000 MFGE8	252996927	246245292	229350813	150255548	84349865.6	174423640	0.561396	0.0186348
ENSMUSP000 PDCD10	538447461	315768681	488301955	278255086	145879074	281387240	0.525521	0.0584856
ENSMUSP000 CACYBP	334001286	163551899	258238286	82667074.6	25363164.5	35202444	0.189513	0.0175721
ENSMUSP000 ADSS	400122525	293534244	260326097	58938496.5	34199160.2		0.146445	0.0161244
ENSMUSP000 ABCF2	278613271	217910988	512316784		53106750.8	22486222.8	0.112395	0.0829379
ENSMUSP000 PSPH	534413407	543876396	839470877	511069711				
ENSMUSP000 SCG2	21397606.8		14895369.3	248807957	141416694	148272838	9.89167	0.0368808
ENSMUSP000 GM20388	144618080	95015404.7	67555328.8	370517429	119654900	247603087	2.4017	0.131413
ENSMUSP000 PRKACA	251313434	202345978	171407964	301301989		241593707	1.30281	0.18999
ENSMUSP000 PCMT1	185250492	115645923	143724478	249230068	93226419.7	213760054	1.25099	0.508993
ENSMUSP000 M6PR	412463118	361635541	454335750	636551244	676679193	165638737	1.20387	0.641948
ENSMUSP000 ACTR1A	354475804	223930071	233305510	333608836	406457358	217226514	1.17935	0.522424
ENSMUSP000 SLC44A2	615559630	435350635	338369445	417066030		372331470	0.852309	0.565281
ENSMUSP000 RPL26	838074984	689694141	469515975	696658455	217423817	332158090	0.623967	0.236261
ENSMUSP000 TSPAN2	675710760	443657267	318622603	359866199	73767600	312841355	0.51911	0.167941
ENSMUSP000 SNF8	329199413	182777451	283588606	71853282.2	182549893	154762406	0.514308	0.0776037
ENSMUSP000 THSD7A	124681686	77924906.5	111132462	45802228.3		59487729.8	0.503396	0.0686568
ENSMUSP000 RANBP1	1916490196	1624208948	951538161	808019177	401606546	678773629	0.420369	0.0487374
ENSMUSP000 NPEPPS	4658165921	135621055	123738405	1235264434		76973360.4	0.400274	0.656147
ENSMUSP000 RAB31	862654918	455268828	662337247	381047640	48829536.2	184946538	0.310476	0.0402281
ENSMUSP000 FKBP3	512021095	292309594	375906585	138484893		88134779	0.288018	0.0455751
ENSMUSP000 NSFL1C	187087192	142392020	165072071	79464812.2	34506075.2	25909362.5	0.282843	0.00492212
ENSMUSP000 NUDT5	628025853	456921499	557483050	169805665	105545977		0.251473	0.00931899
ENSMUSP000 CTH	385680109	313014680	291372470	66726767.5		59641444	0.191454	0.00546028
ENSMUSP000 SLC4A7	121852019	64544995.2	74075026.2					
ENSMUSP000 TYK2	458831541	103849199	86099238.8					
ENSMUSP000 DOCK9	103837191	270240779	316957241					
ENSMUSP000 PSEN1	631027333	503484441	464431848	92137583				
ENSMUSP000 ARL6	294040187	226919678	265442684			41816137.3		
ENSMUSP000 FLNB	30167050.1	27761708.7	20216190.9	110736322	60445488.9	109594723	3.59302	0.0160017
ENSMUSP000 AHCYL1	171098605	415105844	19354551.7	434439759	489246502	382624418	2.1572	0.121871
ENSMUSP000 PFAS	95883783.2	87752698.4	92102768.3	190803342	81670497.8	182211128	1.64897	0.164586
ENSMUSP000 SH3GL1	88772664.7	74497178.3	41760621.2	144223155	30235605	74441145.1	1.21397	0.705237
ENSMUSP000 PLEKHB2	664522606	518530813	367663649	829194439	542576559	438565693	1.16742	0.582431
ENSMUSP000 PSMD12	177904536	47652052.1	118027151	131491846	194932465	48870408.5	1.0923	0.860972
ENSMUSP000 DNM2	80596330.7	62472017.3	97918265.9	82660859.4	96386509.8	74511413.4	1.05217	0.745752
ENSMUSP000 DNAJC7	120877184	161244922	151270622	172466334	28972501.3	190261629	0.9038	0.804237
ENSMUSP000 TTLL12	225858741	141393328	141310155	122741977		117817661	0.709529	0.269181
ENSMUSP000 KIDINS220	81824238.7	70273191	86649104.3	49464689	55625473.2	30719664.7	0.568845	0.0184034
ENSMUSP000 UBE2V2	878752404	769373521	624116824	349896972		313823932	0.438149	0.0214264
ENSMUSP000 EIF1AX	292154737	211943688	230051986	90422277.7		77183963.6	0.342449	0.0148204
ENSMUSP000 BMPR1A	309986107	142018606	117646886	50344104.5	94492238.8	35779383.5	0.317064	0.108594
ENSMUSP000 PTP4A2	516900923	500601604	436610342	179506789		90633800	0.278665	0.00466695
ENSMUSP000 ZC3HAV1	240622460	212678549	228013352	110066991		14488350.7	0.274224	0.0212308
ENSMUSP000 PPP2R4	358341710	275067359	264472657	79851151.7		30602617.5	0.184523	0.010478
ENSMUSP000 CXADR	403439164	350077134	967865217	39354785.9		77969246.7	0.102235	0.137219
ENSMUSP000 TTC7B	155458102	109728641	97880990					
ENSMUSP000 GPX4	558622605	581518330	587767603					
ENSMUSP000 CTSZ	130559521	90364813.6	92538634.6	377003806	301082402	329999878	3.21597	0.00083866
ENSMUSP000 ADK	99577556.9	101110375	73598376.8	358906044	217415180	856842965	5.22507	0.11745
ENSMUSP000 BMPR2	200757863	184075584	72784066.1	26514751.8	214454360	99045034.2	0.74301	0.594555
ENSMUSP000 CDC37	148314767	101194867	118281704	92911732.8	69362234.6	60581265.5	0.605928	0.0453474
ENSMUSP000 MBLAC2	412685524	311698939	278924964	119071685		79563114.7	0.29697	0.0223946
ENSMUSP000 ICAM2	422957733	287021131	302575916	133656219	124379093	28153315.3	0.28264	0.0113927
ENSMUSP000 ATP6V1C1	140123473	60013551	83920764.9	27208818.8		20438057.2	0.251605	0.104608
ENSMUSP000 CARS	240592282	110227854	57860061.8					
ENSMUSP000 PVR	697010778	860842329	782058196	79395227.8				
ENSMUSP000 CMPK1	309218480	256415014	199810850	87611872				
ENSMUSP000 AEBP1	90557875.5	76366852.6	80001199.9	151117888		131031264	1.71397	0.00797689
ENSMUSP000 UPF1	162326077	77490357.7	53692534.1	214443131	47016246.3	133526799	1.34574	0.594189
ENSMUSP000 ISLR2	177933577	117408222	43819702	199115438		49343830.1	1.09885	0.890965

ENSMUSP000 DNM1	84659628.3	62315437.6	97918265.9	82660859.4	96386509.8	74511413.4	1.03538	0.82437
ENSMUSP000 CD63	5306453224	3903059697	2201523240	3957180544	3863652822	3870179572	1.02454	0.922248
ENSMUSP000 CD82	434629417	239265137	434394752	826736462	103493148	103152771	0.932412	0.925179
ENSMUSP000 PSMD5	174040300	128515866	126864674	140066943	111382619		0.878332	0.497738
ENSMUSP000 PYCRL	445605045	459220990	176172070	104946744	137344036	200585159	0.409692	0.0918607
ENSMUSP000 STUB1	188405667	102178720	137432764	85427997.3		30945639.4	0.407835	0.113693
ENSMUSP000 DCTN1	190374977	106014303	36906176.3	54821114.1	14300440	38280715	0.322244	0.17631
ENSMUSP000 ATP11C	302193162	236200632	165852388	43504830.1		68319444	0.238178	0.0405761
ENSMUSP000 DCUN1D3	415772090	346997786	358563915	112919372		41666614.5	0.206789	0.00444607
ENSMUSP000 LYPLA2	433063894	184399677	333398382	90151626.1		25737455.4	0.182817	0.0744689
ENSMUSP000 CLIC5	540992535	710347590	1032764139	94778433.4		176171872	0.177936	0.0451374
ENSMUSP000 TRF	3440442167	3351150198	3070292590	267570013	719781087	224447968	0.122877	0.00011868
ENSMUSP000 BCR	106541460	100322309	78776983.7					
ENSMUSP000 TMEM206	163588565	398495772	150097602					
ENSMUSP000 TPPP3	221019704	185072906	170236658	17022864.2				
ENSMUSP000 RASAL2	81472196.8	85440835.2	622103803	24614375.8				
ENSMUSP000 CHORDC1	1684819149	624937103	1166346296	114046182				
ENSMUSP000 PPP2R5E	205399783	172400097	127750749	845453572				
ENSMUSP000 SLC19A1	400614262	337007689	253759616		22404582.9			
ENSMUSP000 PDIA3	20068851.5	57255629.3	6637921	120820533	110563679	91802311.2	3.84918	0.0100809
ENSMUSP000 GDF15	195811418	52833941	51912482.9	122400481		363050644	2.42275	0.281711
ENSMUSP000 NPM1	390292219	744994320	386453559	645317236	1272409138	1190584064	2.0426	0.0829336
ENSMUSP000 FGFR1	711098066	1180653088	329953903	1083147432	623917280	852504799	1.15207	0.707564
ENSMUSP000 HGS	192017313	107642490	98813382.5	92398001.4		46207048.5	0.521761	0.227934
ENSMUSP000 SF3B3	167740876	100636169	102064714	90188576.3	36136590.7		0.511518	0.182941
ENSMUSP000 PLEKH01	288736338	224352905	218873080	55714324.3	96544810.1		0.312023	0.0143339
ENSMUSP000 DDB1	103062391	70856254.4	90344513.9	30441918.9		19428685.1	0.283073	0.0158566
ENSMUSP000 H2-Q2	2073397536	3958496492	3560100231	1218078846	739108146	725930359	0.279725	0.0180875
ENSMUSP000 USP46	202353575	126966497	175621213	25651646.4	15313706.1		0.121693	0.0142497
ENSMUSP000 PKP2	246922500	101167571	78342465.5					
ENSMUSP000 HSPA4L	90607449.8	70448618.8	93440658.8					
ENSMUSP000 DLG2	242562613	253241165	247241646	32411819.4				
ENSMUSP000 SLC7A11	268279165	134111827	112384193	47670750.4				
ENSMUSP000 DCHS1	145535542	72809710.2	60909717.4	125767258				
ENSMUSP000 G6PD2	255755694	167606079	324947492		16829002.1			
ENSMUSP000 PTGIR	712317160	534693045	430557604			176210094		
ENSMUSP000 AHCYL2	171098605	17239809.8	18896590	434439759	489246502	382624418	6.30352	0.00354819
ENSMUSP000 COPG1	37636141.5	24734542.7	41578995.1	135094697	14501101.4	144579081	2.82997	0.207161
ENSMUSP000 LUC7L	98504545.7	37715710.7	41713963.1	120444513	66495387.3	74593484.5	1.46983	0.34147
ENSMUSP000 AKR1A1	93040259	73648657.6	72002441.2	94314741	86155393.4	114024529	1.23379	0.156527
ENSMUSP000 UGP2	157215217	54687878.4	83802370.7	114927483	56117746.5	102625631	0.925485	0.845651
ENSMUSP000 PLSCR3	726264067	689460678	638492994	442620902	349388592	420330802	0.590171	0.00177769
ENSMUSP000 PRNP	1145591812	1097217528	781751546	586774342	257066779	634404714	0.488747	0.0351272
ENSMUSP000 BLMH	389893802	252894790	239001083	105948886		49289136.7	0.264073	0.0459067
ENSMUSP000 RAB9	516622150	394106003	415911217	82883288		16103534.5	0.111922	0.00556818
ENSMUSP000 DIRAS2	136023078	111708863	143726447					
ENSMUSP000 ABCC3	142223950	116906042	92696151.7		28976834.4			
ENSMUSP000 ENG	314168354	252395009	238709106		63042264.8			
ENSMUSP000 PMM2	224182653	207795135	72628897.4		212293756			
ENSMUSP000 BLVRB	231893606	223516564		1158295594	858706169	1206496998	4.71882	0.00915296
ENSMUSP000 AIMP1	48247958.3	40587447.3	32609476.6	165098426	162007837	234035140	4.62054	0.0036058
ENSMUSP000 HSPA13	52795124.1	97638171.5	58447557	135122199	150388380	58717975.6	1.64797	0.22739
ENSMUSP000 ITIH3	98220790.3		1393197930	827855928	1047597642	1065493220	1.31461	0.666416
ENSMUSP000 SSB	139679890	45222362.6	49149055.2	99210922.5	89846993	58854713.2	1.05922	0.895964
ENSMUSP000 IMPDH2	152762670	103337041	125414675	154702472	37575189.6	107297029	0.785225	0.500243
ENSMUSP000 PKLR	6935796151	3191493206	1943852628	3653127534	2132401048	3515301952	0.770501	0.589512
ENSMUSP000 BUB3	96143641.1	59026647.6	97968642.3	51413024.3	36989925.9	100077616	0.744574	0.400234
ENSMUSP000 RPL34	1238086224	905581886	902746253	839291289	607826543	799638752	0.737509	0.114137
ENSMUSP000 RIC8	94663400.1	72789817	34591956	43130007		20472583.2	0.47219	0.237933
ENSMUSP000 UEVLD	134364282	77285976.4	34591956	53177248.3		20472583.2	0.448642	0.332455
ENSMUSP000 PRPS2	162444937	112941625	115463865	72655747.1	32349821.4	66459649.5	0.438698	0.0230688
ENSMUSP000 IFITM3	2955248780	1943353492	3960599284	1833065424	996371343	614045891	0.38869	0.0577657
ENSMUSP000 ITM2B	300972432	180509252	232466529	68660479.1	65335315.9	44169464.1	0.249549	0.00748917
ENSMUSP000 JAG2	174636045	43034093.1	120572397	30037998.5				
ENSMUSP000 CUL5	208934758	83669613.2	145282574		32299696.8			
ENSMUSP000 PPP2R5A	215657370	81397118.8	157153585			11291740.3		

ENSMUSP000 PPP2R2A	173185930	206941849	165747382			28674743.2		
ENSMUSP000 CLTA		58054065.8		1082586525	361478519	235423304		
ENSMUSP000 HNRNPH1	22872294.5	32419388.6	56668505.9	203896974	50121747.2	215729841	4.19567	0.0929458
ENSMUSP000 RRM1	63214064	103790214	83801385.4	133719710		155416986	1.72925	0.0379496
ENSMUSP000 HNRNPA1	90873723.6	89082127.6	57891904.4	140963421	78826681.6	101296152	1.34997	0.258569
ENSMUSP000 RACGAP1	80960760.2		49334495	107057589	92811464.7	30925489	1.18088	0.740113
ENSMUSP000 EIF6	257229527	229581501	149700597	295258292	216343697	166052500	1.06464	0.795587
ENSMUSP000 KLC1	257079937	88918593.7	61736761.5	130415635		101797445	0.854279	0.819536
ENSMUSP000 VASP	103606622	32504950.2	74462504.1	103485643	14242866.2	27363818.1	0.689032	0.5628
ENSMUSP000 TMEM132A	59742909.6	73886350.5	74680764.5	57369434.8	24444441.2		0.589126	0.130139
ENSMUSP000 ATP6V1H	125036998	108196887	113591345	58264116.8	88391076.9	50474991.1	0.568385	0.0165972
ENSMUSP000 USP14	319541075	129017151	215935860	127805557	84320796.2		0.478845	0.211564
ENSMUSP000 FNTA	85357739	57881349.9	99613845	53038303.8	15097848.8		0.420848	0.114069
ENSMUSP000 EIF1A	353460712	182202592	196989607	90422277.7		77183963.6	0.343149	0.10868
ENSMUSP000 ATRN	156031469	83443891.9	143270127	25543198.3		36732725.2	0.244062	0.0455755
ENSMUSP000 UBTD1	351544491	281388403	141068356	76133518.1	69278498.1	30597760.8	0.227403	0.0348414
ENSMUSP000 SNX3	210006609	116112052	173163003	16482349.2	50405667.5	31228257.7	0.196515	0.00997759
ENSMUSP000 SBF1	99175514.5	50855401.9	50669195.3					
ENSMUSP000 EXOC7	60471259.4	35229053.4	58574511					
ENSMUSP000 GNG5	89298956.7	44967831.2	36286772.4	18078536.2				
ENSMUSP000 MIB1	118470654	62029662.2	62079962.2	41658877				
ENSMUSP000 CHMP3	561822034	409523736	468410052	44166559.9				
ENSMUSP000 UBE2M	491581100	461852484	192033373		77348327.2			
ENSMUSP000 LNPEP	100041147	89789948.3	92465646.4			24574449.1		
ENSMUSP000 SPOCK2	17495046.2			218685616	109464596	139556226		
ENSMUSP000 FLNC	30167050.1	22896430.3	26578866.5	109459130	60445488.9	160233652	4.14526	0.0445269
ENSMUSP000 STEAP3	221401039	152625441	125972683	704524715		256196463	2.88217	0.164053
ENSMUSP000 TMEM59	172521120	129744430	134352148	261930382	240295608	311315074	1.86328	0.00736603
ENSMUSP000 CDK16	1057547092	1175644687	961632784	1083147432	1203492934	852504799	0.982572	0.884714
ENSMUSP000 CDK5	706636487	2324399607	961632784	1083147432	1203492934	852504799	0.786227	0.608468
ENSMUSP000 ATXN10	85865111.6	152331879	118362986	103449925		54351495.8	0.663849	0.285294
ENSMUSP000 CYSTM1	1168234803	1173827774	1082905787	760167712	889276681	416690707	0.603257	0.0347097
ENSMUSP000 STAMBP	116967661	73023692.5	111175680	106774798	16934872.7	23878716.2	0.490055	0.184702
ENSMUSP000 VBP1	193874586	86151305.2	126465449	61164382.3	27787760.2	79115994.7	0.41346	0.0846593
ENSMUSP000 CRIP2	350153142	168300687	232509343	133342020		35934854.7	0.33812	0.122858
ENSMUSP000 HINT1	3885736129	2100350982	1647508719	768608948		698114421	0.288211	0.132449
ENSMUSP000 WASL	149891974	139998292	118585681	46378613.3		22475223.6	0.252844	0.00641234
ENSMUSP000 COPS2	120628179	134816095	53439659.8					
ENSMUSP000 DHFR	409397549	364659253	124931713					
ENSMUSP000 QDPR	180533646	149399185	125120993					
ENSMUSP000 ME1	98082846	200014968	168693469					
ENSMUSP000 FAM65A	145542195	72669836.1	259807793					
ENSMUSP000 PIP4K2C	284085606	231465843	217502993	106316113				
ENSMUSP000 1500009L16R	535896096	135874735	170746676	151090852				
ENSMUSP000 GM8991	63221241.6	41470712.1	35880303	280623922		319586919	6.40465	0.00078754
ENSMUSP000 LAMC1	64651995.2			80693608.1	25159023.6	30950273.7		
ENSMUSP000 HNRNPF	41773210.4	32419388.6	23834330.1	115827884	62243489	127231075	3.11448	0.028866
ENSMUSP000 UBQLN2	210720221	55613981.3	43816719.6	191168093		196217808	1.87354	0.284364
ENSMUSP000 PLAT	91264247.6	49887238.5	51103938.3	145565268	101025899	111213357	1.86109	0.0448705
ENSMUSP000 PCDHGC4	356707434	302402898	168605990	225895469	223908851	132578465	0.703602	0.269221
ENSMUSP000 SV2C	268383862	42734432.1	91806887.5	127310645	86975779.1	43295011	0.639279	0.541545
ENSMUSP000 RPL31	832586468	518633818	803927491	221604599	173811811	520469410	0.424976	0.0489498
ENSMUSP000 CASP3	375663893	231893703	253587438	177802884	19407023	136429324	0.387437	0.0542901
ENSMUSP000 SNAP91	183972991	119595060	88190155	29911469.9	19891174.1	29453823.1	0.20231	0.0213818
ENSMUSP000 DCTN2	145886194	117526479	106559911					
ENSMUSP000 PLXND1	91254195.8	55292108.3	75523380	24370320.1				
ENSMUSP000 SCRН1	114489418	92211058.4	141668986	36373690.3				
ENSMUSP000 ZDHHC5	206167449	138453521	146304676	91801730.9				
ENSMUSP000 MBTPS1		67273354.8		144397477	225666375	462559485		
ENSMUSP000 PSMD14	78537222.2	115347306	96157694.3	138350173	167983622	214149226	1.79451	0.0349298
ENSMUSP000 EIF2S1	157645711	109281890	71702357.2	249443672	113382610	7641159.81	1.09402	0.893292
ENSMUSP000 FARSA	55713379.9	25664807.2	29849806	44533211.4		34039350.3	1.05962	0.873369
ENSMUSP000 SNRPD3	213143349	215411299	213587667	205566730	225952970	247886595	1.05803	0.367558
ENSMUSP000 PDGFRB	302643643	293825102	411692779	415678968	314161931	310075871	1.0315	0.84655
ENSMUSP000 BAG3	87447425.4	63972756.9	77732460.8	100528243	105206274	10036399.6	0.941604	0.894942
ENSMUSP000 VPS4B	174611505	201317261	147513649	203154933	47334676.7		0.717815	0.481486

ENSMUSP000 PPID	282885514	157241855	141565368	156383850		106082533	0.676817	0.377868
ENSMUSP000 SGTA	108727356	88046818.1	88698827.6	68767824	60150839.1	52942663.5	0.637053	0.0134821
ENSMUSP000 TOM1	167867925	105668553	97416322.1	86260608.5	49446046.2	94894274.8	0.621645	0.1492
ENSMUSP000 SUB1	104433274	85251452.5	143876465	107536717	40026721.5	50890173.1	0.594954	0.172206
ENSMUSP000 CDK4	2080713808	2324399607	961632784	1083147432	1203492934	852504799	0.584925	0.160794
ENSMUSP000 TXN1	797912655	708807245	1037108786	451601370	346460410	445535420	0.488868	0.013958
ENSMUSP000 IDI1	287799938	300942727	284016928	97712652		72597795.8	0.292711	0.00037728
ENSMUSP000 STK32A	413046568	134870305	303385605	66710484.1		80795196.3	0.259906	0.138208
ENSMUSP000 ATP6V1E1	310343686	270540112	299647959	37505156.2		70704062.7	0.184336	0.00120276
ENSMUSP000 COPS4	108175327	84007083.2	84604227.9					
ENSMUSP000 HSPBP1	75115176.1	134662741	101003175					
ENSMUSP000 CIB1	168631770	117342250	107487409	23190163.6				
ENSMUSP000 SLC20A1	124154550	77874348.3	91300242.7			37144186.4		
ENSMUSP000 TOM1L2	135033282	89748253.8	140593350			69498525.1		
ENSMUSP000 TEX30	16531151.3	35359178.5	29132201.9	134811106	212791343	134686890	5.95253	0.00733889
ENSMUSP000 MCM6	25875848.6	11113918.5	15249335.9	116281786		42361789.8	4.55531	0.11506
ENSMUSP000 PPM1L	41699785.4	37297537.9	53757906.9	89614526.1	67947239.7	103625512	1.96743	0.0203426
ENSMUSP000 SNX1	109068493	44723773.9	125227515	115009700		108321817	1.20062	0.599036
ENSMUSP000 RPLP1	355075988	168186259	351572205	378105881	230987347	314402485	1.05562	0.839344
ENSMUSP000 STMN3	346155765	196982057	164726821	323259209	103535304	224401154	0.919944	0.834282
ENSMUSP000 KIF5C	183162793	58254951.6	190453384	138908107		40385697.9	0.622733	0.473635
ENSMUSP000 STAM	103839548	70606891.3	100109685	57221124.8	18007651.6	64367121.2	0.508442	0.0652083
ENSMUSP000 GSTM5	283305854	251408092	118307275	62219820.4	125762527	83931407.3	0.416394	0.0777803
ENSMUSP000 TCEB2	158976582	286405892	288359420	101264387		83793765.1	0.378318	0.0717853
ENSMUSP000 CIAPIN1	438784238	431999892	295768128	157807382		87297387.1	0.315165	0.0269765
ENSMUSP000 PSMB6	608978669	386672396	332706041	94661729.1	88857043.6	181857842	0.275059	0.0232278
ENSMUSP000 TCEAL8	114714378	68130945.6	87877562.8	33428027.2				
ENSMUSP000 KLHDC4	159786345	61538970.1	77818634.1	37460197.2				
ENSMUSP000 ITCH	93487381.1	47781471	51876394.7	71591337.1				
ENSMUSP000 TTN	316502297	422452668	476861404	3916464658	1534384911	2830052255	6.81098	0.0269679
ENSMUSP000 NUCB1	54954945.3	51473772.1		102152517		87468351.1	1.78167	0.0313665
ENSMUSP000 STMN2	629207735	601773831	98723821.2		603045665	772027347	1.55118	0.368499
ENSMUSP000 SEC31A	64679299.1	24467287.8	51496742	79547326.3		44601653.8	1.32408	0.504196
ENSMUSP000 DDX1	91146094.2	67093573.2	85435195.5	72188716.4		109848860	1.12058	0.602355
ENSMUSP000 QSOX1	108148761	107947166	97489960.9	129749851		67171084.9	0.941947	0.814929
ENSMUSP000 PLSCR1	628290008	508463358	458250036	602907573	376637512	315907325	0.812194	0.378151
ENSMUSP000 GAPVD1	78652199.3	89455430.6	72038879.8	47162638.3	68340381.8	79320287.9	0.811269	0.231393
ENSMUSP000 SERINC5	248233077	62650626.1	128749215	70157519.2	35202505.6	126332421	0.527013	0.31544
ENSMUSP000 CAPNS1	136161428	151336401	92943671.5		29179877.1	74302872.6	0.40801	0.0759302
ENSMUSP000 TXNL1	276490114	216738957	245558718	97908627.5		39237347.5	0.278454	0.0107444
ENSMUSP000 BACE2	260565001	192783307	209767053	30637163		13400875.4	0.0996165	0.00519571
ENSMUSP000 RALGPS2	56769441.8	45914750	41963189.8					
ENSMUSP000 GGT7	98866733.8	44258802.7	50827039					
ENSMUSP000 GNBS5	226699608	161915134	60568355					
ENSMUSP000 RABGGTA	103440091	71143541.3	74131210.3					
ENSMUSP000 NF2	108917822	89636227.5	86720489.8					
ENSMUSP000 GPS1	124281768	68964519.7	90261897.6					
ENSMUSP000 GLOD4	147084659	92569363.1	102813266					
ENSMUSP000 CADM4	303715459	190427940	268396337					
ENSMUSP000 TBC1D15	118338603	77807907.5	52410783.8	33628982.3				
ENSMUSP000 PCOLCE	139387777	123024523	78296094.6	104819418				
ENSMUSP000 TSPAN15	319611156	232249492	285433285	137186055				
ENSMUSP000 ACAT2	332865840	275659225	271062778			39161991		
ENSMUSP000 DRG2	109193001	72249561	97794241.2			44386277.6		
ENSMUSP000 EIF3M	34368217.9	56706756.9	35830166.6	134655273		184602350	3.77358	0.0110467
ENSMUSP000 COPB2	55274091.6	10832160.8		227863915	100772132	66225210.4	3.98209	0.229815
ENSMUSP000 VPS25	134827275	215554899	142507597	437154792		272332467	2.15917	0.0721018
ENSMUSP000 EEF1B2	227120400	189480442	185532519	375071299	381265724	498247365	2.08357	0.00672834
ENSMUSP000 SLC16A6	153481335	157280655	53969656.3	234055695	194314387	202537980	1.72979	0.0689644
ENSMUSP000 CTSB	95878789.9		67273617.2	132073011	81223744	117002167	1.34965	0.288977
ENSMUSP000 ACTR1B	265474932	133324858	193738896	172049718	406457358	66760705.5	1.08899	0.877957
ENSMUSP000 CAMK2D	85104557.7	69413734.4	80432316.9	79661765.6		46131993.1	0.803108	0.347139
ENSMUSP000 MAPRE1	122673491	120038960	107876027	60095175.3	140866349	26221621.8	0.648005	0.29672
ENSMUSP000 EIF3H	161499190	53401253.6	164874967	96102180.9	54382560.6	51360745.1	0.531486	0.206246
ENSMUSP000 RNPEP	57502330.2	128076185	44980507.6	39586658.4	34845845.7	46206233.1	0.523245	0.232662
ENSMUSP000 PPP1R7	72078504.9	68757578.5	103853043	49807465.9	38702260.7	26045555.7	0.468166	0.0297896

ENSMUSP000 CD276	279655320	490647603	350482718	136998372		180696267	0.425186	0.0783723
ENSMUSP000 PPAP2A	316956245	17935902.9	148864974	83843783.1	47155281	62586925.8	0.400172	0.329495
ENSMUSP000 GSR	236068150	158406231	216950604	48499405.8		22425289.8	0.173999	0.0130234
ENSMUSP000 PTK2	71975881.9	32529946.6	86154746.2					
ENSMUSP000 PDXK	140360126	117995133	98885553.7					
ENSMUSP000 STK38	112279872	155049656	115255459					
ENSMUSP000 THOP1	128774640	114845766	81416328.6	10385685				
ENSMUSP000 AS3MT	164728063	141307153	175410742	17542044.2				
ENSMUSP000 BUD31	209518337	218984114	159794404	42388663.8				
ENSMUSP000 RP2H	323692399	204610220	165965205	43510684.2				
ENSMUSP000 HNRNPC	141487408	85856823.5	101511867	78819390.3				
ENSMUSP000 EIF2S2	163942360	94943951.2	162146854			87200814.7		
ENSMUSP000 VCAN	100826974	59094096.1	41691850.7	113952740	139025974	80133312.4	1.65224	0.147786
ENSMUSP000 PRMT5	182314113	128530065	139222188	262650416	101470463	235683258	1.3327	0.395458
ENSMUSP000 EXT2	66462257.6	55465537.3	51893172.4	148941791	27329744.5	51490073.9	1.31032	0.656042
ENSMUSP000 TMEM106B	109754994	76626688.5	70730002.6	92140701.3		58535112.7	0.879048	0.641131
ENSMUSP000 WDR77	125468640	116537140	68663755.4	88530105.7	81753771.8	96542404.1	0.858875	0.465759
ENSMUSP000 APP	87132154.5	79243234.5	68815366	98120247.5	41043935.7	21022542.3	0.681093	0.350941
ENSMUSP000 GSTM2	196213149	150515254	125282522	62219820.4		121492118	0.583817	0.155848
ENSMUSP000 NUB1	118680244	40350860.9	86835474	48203511.5	51015911.4	22857620	0.496518	0.166646
ENSMUSP000 ANXA7	149366785	147426444	138516756	66449719.3		54312014.1	0.416124	0.00086825
ENSMUSP000 CPE	139961413	115008963	85379699.6	39248570.3		48701649.6	0.387617	0.0436895
ENSMUSP000 PPAP2A	337851533	44099757.5	148401615	83843783.1	47155281	62586925.8	0.365014	0.264774
ENSMUSP000 TSPAN13	406159247	321576214	274804359	203056313	73139496.3	30426526.1	0.305846	0.022935
ENSMUSP000 MAPK14	319210091	155457756	143543951	49815416.3		38605945.2	0.214541	0.114248
ENSMUSP000 MYLK3	319210091	122568971	277647821	49815416.3		38605945.2	0.184358	0.0855424
ENSMUSP000 MPZL1	691961840	390243281	594603827	87553861.7	68076420.1		0.13922	0.024891
ENSMUSP000 CSTB	512514220	775256159	406087328		51973637.9	68992913.3	0.107122	0.0379308
ENSMUSP000 BLVRA	96035394.1	69862935.8	37114011.1					
ENSMUSP000 ITGA2	120707681	83603411.3	61021103.2					
ENSMUSP000 PPP2R2D	419277054	87841885.8	71779128.4					
ENSMUSP000 FARP2	329354140	63302825.4	77022790.7					
ENSMUSP000 PROM1	80179920.4	57433482.7	104993801					
ENSMUSP000 MFAP3	262506869	190022665	148666549					
ENSMUSP000 STK25	209470032	159116597	198989678					
ENSMUSP000 TBC1D10B	281185786	305484014	211746265					
ENSMUSP000 TPM4	116154109	13208303.1	67456768.2	69218129.5				
ENSMUSP000 GNG4	725831571	435756962	619937844	226201619				
ENSMUSP000 MIF	1.5364E+10	1.2613E+10	1.1957E+10	3702432903				
ENSMUSP000 ARAF	149012294	118580804	78452976			31965847.1		
ENSMUSP000 SSC5D	35386889		16224460.5	107433996	119105432	154395014	4.92055	0.0140494
ENSMUSP000 USP15	93919112.7			31665140.4		40934443.7		
ENSMUSP000 TPM1	104431184	30967686.7	50051995.5	161686708	244556378		3.28585	0.0435002
ENSMUSP000 SYNCRI	106120332	103511348	66133779	355752564	18366959.8	74470905.5	1.62671	0.61299
ENSMUSP000 PSMD8	94958633.4	102704017	93408008.3	141776712		116356220	1.33026	0.0512971
ENSMUSP000 NANS	146991913	48364896.1	50675017.5	97539710.5	207834237	7146867.41	1.27025	0.755691
ENSMUSP000 EXOC4	46356488.1	47596113.9	40657903.9	76850568.5		32692402.3	1.22067	0.594689
ENSMUSP000 MTAP	160968074	111300139	161338620	150262777	144635706	109730038	0.933169	0.668004
ENSMUSP000 SNRPD1		140425035	47560017.1	44931179.8	154777088	49589490.8	0.884105	0.862554
ENSMUSP000 RPS6KA6	211521388	136497824	213935002	114896111		118068421	0.621842	0.119899
ENSMUSP000 DDX19A	113842622	93507286.1	35556540.4	29340456.4		50203846.6	0.491203	0.279141
ENSMUSP000 CNRIP1	928282169	941549654	629411356	230660331		113527529	0.206575	0.0175187
ENSMUSP000 NAA15	45581659.7	55112464.2	461871428	11833482.9		24624064.5	0.097209	0.409848
ENSMUSP000 FAM129B	171528975	144807158	64308322.3					
ENSMUSP000 ARHGAP39	208387043	73437325.2	86497215.6					
ENSMUSP000 ACP1	275955718	248288691	165691519					
ENSMUSP000 SPTAN1	125783327	39848039.6	33091936.4	1596308207				
ENSMUSP000 SNX12	189410957	99328852.6	242807594			31228257.7		
ENSMUSP000 LPL	33627301.1	22841043.4	17108146.9	89136091.3	102310921	128740775	4.35177	0.00285994
ENSMUSP000 CAP1	41755163.6	54049897	68354101.1	118142655	153008677	99076119	2.2553	0.017373
ENSMUSP000 SRSF6	115288011			343644918		313672527		
ENSMUSP000 TPM3	136214438	30967686.7	50051995.5	161686708	244556378		2.80511	0.0865368
ENSMUSP000 9530053A07R	973852302	480360610	281777878	1881932703	357245388	1238591354	2.00333	0.299484
ENSMUSP000 LAPTMA	136703391	325283048	362227441	364971760		357049834	1.31402	0.409431
ENSMUSP000 CSR1	145197735	48200110.7	33736991	97639457.5	52708281.9	60855461.4	0.929858	0.894574
ENSMUSP000 GM14226	2875895498	1837306152	2988200249	2215972184		2097902526	0.840212	0.451341

ENSMUSP000 PLAA	46692196.2	39506890.5	32107122.8	33942526.6		28595462.6	0.792917	0.253185
ENSMUSP000 CNTNAP4	125000637	137125260		88274461.5	46934851.3	68083051.6	0.517035	0.0290936
ENSMUSP000 GSK3B	212743720	96752847.7	125739181	134475735	16627863.9	34164147.5	0.425672	0.175097
ENSMUSP000 NDUFS8	2254954683	2101271790	2120486870	719921731		594144866	0.304336	0.00030658
ENSMUSP000 SLC29A2	830345995	1753484993	808757455	395882418	198846881	383589004	0.288369	0.0645239
ENSMUSP000 RPL37A	703932792	1001784338	466201949	218330989		106027453	0.224012	0.0707916
ENSMUSP000 PCBD1	250610327	238532167	226654581	45960114.6		32950953.5	0.165363	0.00029008
ENSMUSP000 SPTBN1	52636969.8	33009381	21251289.9					
ENSMUSP000 ELFN2	93978923.1	50008473.1	37433282.8					
ENSMUSP000 AKT3	132789891	60183802.3	41640538.3					
ENSMUSP000 REPS1	86612421.8	56946172.3	69359797.6					
ENSMUSP000 ADPRH	116859506	65731524.8	78502154.4					
ENSMUSP000 HMBS	125623022	93955079.9	79598068.6					
ENSMUSP000 VANGL2	94117495.7	110869897	80414680.3					
ENSMUSP000 CTDSP1	125031463	154871140	103528796					
ENSMUSP000 WDR20A	86028910.7	84373722.9	115053731					
ENSMUSP000 DEPDC1B	99622465.4	129508904	122255691					
ENSMUSP000 SNX9	122199431	95951936.1	134822974					
ENSMUSP000 ISOC1	182608194	103849361	156267376					
ENSMUSP000 DDT	223515226	111937185	162329657					
ENSMUSP000 ESD	250534936	224654242	229382965					
ENSMUSP000 IPO11	92913059.5	97377970.5	16294487.2	22794612.1				
ENSMUSP000 LRSAM1	87527422.9	158153883	32548004.7	32373294.2				
ENSMUSP000 RHOX2D	211381379	102311371	109380701	33610145.7				
ENSMUSP000 NT5C3B	146545665	127042350	101937941	35542882.3				
ENSMUSP000 PPFIA1	64603075.2	69287260.4	21696744.3	41418110.9				
ENSMUSP000 FH1	210549800	289659327	299632020	300709644				
ENSMUSP000 PVRL2	83388311.6	255907397	198914236		41717799.4			
ENSMUSP000 SEMA4C	101735565	117961774	42909875.2			51733267.5		
ENSMUSP000 CASK	353742423	249909755	257840317			113735831		
ENSMUSP000 KLC2	209059486	51248862.8	91415295.3	120820632		470823589	2.52319	0.303223
ENSMUSP000 PTGES3	436377189	492299778	656490094	1476448098	772510530	1045158656	2.07809	0.0572332
ENSMUSP000 SLT1	1391818813	539519760	1010493179	2458261187	1333311173	1926983804	1.94388	0.0857739
ENSMUSP000 ALDH16A1	68594887.6		40736128.9	60368120.3	40610475.9	61513669.9	0.990827	0.972872
ENSMUSP000 PAIP1	89683695.6	65037614.6	72244460.1	60715253.5	47480810.7		0.71506	0.136245
ENSMUSP000 UBE2D3	256855644	747792004	709951808	402602501		284000638	0.600667	0.353404
ENSMUSP000 PROSC	115652384	90425480	62305717.5	29111635.4	74593651.7		0.57961	0.245722
ENSMUSP000 H2-T23	754873892	1962269730	1486162118		364472675	1025772648	0.496126	0.264699
ENSMUSP000 STX7	204092856	60800940.6	83031127.2	75259995.8		38408570.3	0.490057	0.390703
ENSMUSP000 AMPD2	100667045	84077906.1	42761182.5	18785190.6	28482605.9	33847491	0.356541	0.0515991
ENSMUSP000 PICALM	137047605	147304720	160841809	35589068	19891174.1	29453823.1	0.19078	0.0001306
ENSMUSP000 XPO5	24964899.2	32088311.5	13085474					
ENSMUSP000 PCDHAC1	34023099.3	40695280.2	31582694.2					
ENSMUSP000 ARPC1B	204672766	38576146	36166738.3					
ENSMUSP000 EHBP1	98921357.3	90962044.4	51633695.8					
ENSMUSP000 ALK	47938948.9	22347311.5	52627238.9					
ENSMUSP000 CTNND1	77787984.1	73015371	61042756.6					
ENSMUSP000 ABR	132291429	58164939	67359166.8					
ENSMUSP000 ISYNA1	185252014	92787065	94396005.9					
ENSMUSP000 FAM63A	159044324	117103172	129505705					
ENSMUSP000 TPD52L2	123688452	113372721	138160253					
ENSMUSP000 FAM114A2	76762086.2	28800720.9	12567940.6	17006917.8				
ENSMUSP000 WBP2	215089912	109982981	75787112.3	39110367.2				
ENSMUSP000 SGCE	246941505	173401504	189957507	98419362.5				
ENSMUSP000 PCNA	203972096	119701663	110451645	104241065				
ENSMUSP000 RPS21	89859729.6	69309182.3	145927346	166820289				
ENSMUSP000 PLEKHH3	66811798.8	56401747.4	27743847.1		196550117			
ENSMUSP000 SRSF5	204081476			468250731	159476660	326896946		
ENSMUSP000 MOV10	38925295.3	41385834.3		73525653.1	64195848	79621885.5	1.80418	0.0117833
ENSMUSP000 PRPF19	136136913		58455054.3	165124791	98340984.3	118404406	1.30828	0.493843
ENSMUSP000 TFG	239517544	164179369	207474020	246534542	173568906	239326740	1.07896	0.640223
ENSMUSP000 HNRNPD	112786967	121793488		54078321.5	106470140	191157315	0.999531	0.999217
ENSMUSP000 VPS4A	152885214	102571176	109452867	158476940	60711635	135099721	0.970894	0.920734
ENSMUSP000 TM9SF2	97872532.4	143079799	91570804.7	97685815.1		99931813.1	0.891446	0.606126
ENSMUSP000 9530068E07R	20260322.3	93666941.7	81047372.8	59572956		55179044.1	0.882823	0.811747
ENSMUSP000 VAMP7	116517296	47521969.9	79988886.4	80933537		57137658	0.848701	0.681792

ENSMUSP000 THBS3	107235564	59559657.5		91894184.2	46037129.4	0.82695	0.705176	
ENSMUSP000 TUBGCP2	36373660.1	18581701.3	20347160.7	29096735.8	12159024.4	0.747309	0.503366	
ENSMUSP000 GSTM1	123483830	150515254	153872936	62219820.4	121492118	0.644043	0.138866	
ENSMUSP000 RTN4	361964541	534638361	394332415	240615036	293851102	0.621022	0.106018	
ENSMUSP000 DAG1	105925591	77484835.7	47463462.1	27250409.9	21030615.7	0.313685	0.0949908	
ENSMUSP000 TXNDCC17	436462749	335900885	285547418	29891288	95113144.8	34477301.5	0.150752	0.00365251
ENSMUSP000 FAM126A	53644128.7	51329517.7	19475278.5					
ENSMUSP000 FRY	15027492.4	37798663.1	29336109.7					
ENSMUSP000 CNNM4	121937892	40615705	29381591.7					
ENSMUSP000 PIR	111561594	43152850.3	33655129.9					
ENSMUSP000 PSME1	168799971	76216380.9	37581033.2					
ENSMUSP000 DOPEY2	25369099.2	45556971.4	39196693.9					
ENSMUSP000 TRNT1	110993107	39926823.3	48885584.6					
ENSMUSP000 PBDC1	96979426.3	67776465.3	54605851.6					
ENSMUSP000 SMAD2	181981250	156448952	55528591.5					
ENSMUSP000 TCEA1	143848551	136044165	57174656.2					
ENSMUSP000 GRIP1	111720872	37541439.4	63056206					
ENSMUSP000 TMC8	58292452	44733368.8	69672949.9					
ENSMUSP000 IPO4	105046403	100191895	81495990.2					
ENSMUSP000 TSTA3	96009439	75367265.2	92660015.9					
ENSMUSP000 DCTPP1	182825823	106868227	94294596.4					
ENSMUSP000 PTPRA	112008367	50871053.8	101413294					
ENSMUSP000 IMPA1	157809995	178243302	129019935					
ENSMUSP000 TWF1	110132813	49634975.1	168242398					
ENSMUSP000 STK10	148395889	178430775	179959073					
ENSMUSP000 GNG8	203344501	126998496	184321759					
ENSMUSP000 CKAP5	62967943.7	60922636.3	46326570.8	31986026.2				
ENSMUSP000 GGA1	66800474.9	163211842	91904096.2	36284898.5				
ENSMUSP000 PSMG1	102938343	5659144.91	44295723.4	44262043.3				
ENSMUSP000 VPS29	87175767.4	115469008	80480478.7	74899190.1				
ENSMUSP000 ABCA7	118063526	45115559.5	33428150.4	76323767.7				
ENSMUSP000 ZDBF2	362294481	7797871666	21275685.5	175634794				
ENSMUSP000 PDE5A	86486925.4	13517800.1	46469243.3	277629454				
ENSMUSP000 ABRACL	396879829	349349268	303437963		40651589.2			
ENSMUSP000 ARHGEF2	106299723	44347169.6			66087671.3			
ENSMUSP000 HNRNPL	14812888.4		61638805.8	33144817.9	15322496.2			
ENSMUSP000 HEXB		11636692.5	48458083.7	77166915.4	123251154			
ENSMUSP000 RPL22	431806987		581069860	115333252	346182857			
ENSMUSP000 SYT11	57955267.1	73970950.4	42726097.3	111125546	53122541	1.41064	0.402045	
ENSMUSP000 LANCL1	78702733.7	33675463.7	89126690.9	103615769		56363969.4	1.19089	0.679746
ENSMUSP000 CANX	36167254.4		34393606.1	38472717.4		39027942	1.09835	0.0648228
ENSMUSP000 2700060E02R	35678371.8	37126469.7	40845708.5	44560584.8	27129112.8	17993388.1	0.789113	0.371438
ENSMUSP000 ROCK2	16419658.1	40328332.4	29724913.8	19175055.5		24676858.8	0.760676	0.506171
ENSMUSP000 SCAMP1	214274433	163744224	136524970	168075664		92758476.2	0.760385	0.386499
ENSMUSP000 SLC9A3R1	102704356	65190789.1	59305524.3	64063971.9		28223259.6	0.609289	0.272185
ENSMUSP000 GM2000	929959011	606367490	724504491	456096469	328271134	225648683	0.446746	0.0226698
ENSMUSP000 EXTL1	858032165		645836455	211600622	266517537	136031868	0.272253	0.00977857
ENSMUSP000 SNTB2	486663123	140715675	352554779	35605175.9		16961321	0.0804645	0.104313
ENSMUSP000 GCLM	750896027	529518596	532537182	21432133		50346038.8	0.059388	0.00941012
ENSMUSP000 CCDC104	49992332.9	59632631.3	13412285.4					
ENSMUSP000 NOTCH2	54465303.4	24086121.6	29174403.8					
ENSMUSP000 CRKL	118655244	90389783	39796338.8					
ENSMUSP000 ADIPOR1	128976415	57383285.8	43031873.9					
ENSMUSP000 NLN	75804859.4	55904540.4	64641991.4					
ENSMUSP000 ARL13B	111517180	106589534	64689658					
ENSMUSP000 SMURF1	100706072	24310697.2	96746760.9					
ENSMUSP000 GNG3	353580010	236969508	125677042					
ENSMUSP000 CYTH2	130668774	68852920.3	145535716					
ENSMUSP000 RALY	66568959.7	73489174.6	42296851.7	29376556.6				
ENSMUSP000 PRPSAP1	72417360.8	45843227	43209048.2	50311423				
ENSMUSP000 PPP2R5D	23036294	152857015	19731924.4	425617642				
ENSMUSP000 FRMD4A	119359684	77277174.3	45734999.2		13943872.9			
ENSMUSP000 PIKFYVE	26209924.2	15829738	46098849.1	8435106274	5796487819	242.203	0.00550922	
ENSMUSP000 MYH1	149606755		188065832	392689392	348221747	2.19417	0.0206027	
ENSMUSP000 MCM4	73612925.1			85691714.7	46104740.5	68741326		
ENSMUSP000 TOR2A	18348184.9			111732077	83185735.6	83505233.6		

ENSMUSP000 SRSF4	204081476		404788130		605102737		
ENSMUSP000 ABCD3	189824778	574476724	1055462641	1158317301	1816925587	3.51581	0.0661683
ENSMUSP000 MOGS	23327848.7	32499709.8		43894383.9	75960989.9	64187624.4	2.19776
ENSMUSP000 CSNK2B	139920547	169035797	147710335	363847971		243978896	1.99651
ENSMUSP000 ACSS2	25886991.3		21112444.2	35245049.5	53287623.1		0.0459715
ENSMUSP000 DERA	82392277	115930569	92244696.5	203917509		140898929	1.78005
ENSMUSP000 CD2AP	62747057.7		12338373.2	75037224.9	46070540.8	16086800	1.21812
ENSMUSP000 TSPAN18	9782820672	8390462321	7625029791	8161624132		6567162976	0.856381
ENSMUSP000 TRAPP3	165884769	71185446.5	119405202	86097547	114282839		0.843174
ENSMUSP000 ARPC3	68981660.6	21408931.9	37218079.6		39278835.8	30482232.3	0.820019
ENSMUSP000 SNRPF	96817301.7	63635256.2	57406139.4	63575642.9	22390537.7		0.591895
ENSMUSP000 OSBP	115896939	68162461.3		53950611.9	29606962.5	36217643.3	0.433828
ENSMUSP000 H2-KE2	92191045.8	63300286	72179531.3	54314359.5	11212023.3	9560241.48	0.329804
ENSMUSP000 PRKAG2	664596856	705372399	392730763	231788071	86333629.1	190345067	0.288459
ENSMUSP000 ANLN	28195371	45462821	11012242.1				
ENSMUSP000 GLUL	124126848	41586299.2	34990731.5				
ENSMUSP000 CUL4B	40063230.1	34087578.5	39165834.3				
ENSMUSP000 GLO1	55970398.9		55041709.8				
ENSMUSP000 ZDHHC20	145192183	80897182.9	66986925.3				
ENSMUSP000 ARRB2	88403432.7	86752050.7	70096875.4				
ENSMUSP000 AKT1	122513594	63491629	75575474.7				
ENSMUSP000 PTPN11	89895957.7	43984700.6	113101951				
ENSMUSP000 ANP32A	231839948	134474925	117319723				
ENSMUSP000 PROCR	98552208.4	99790389	122693786				
ENSMUSP000 FAIM2	166277849	136800119	125016618				
ENSMUSP000 AP2A1	98247775.5	339042590	60991132.4	17786650.2			
ENSMUSP000 CUL2	133011244	45815817.5	70672091.9	26769613.1			
ENSMUSP000 BAX	192910127	67159175.6	152544285	32485134.4			
ENSMUSP000 DUT	214647583	143532931	72760227.5	70707935.2			
ENSMUSP000 WASF3	171889448	258049734	281315936	75714634.2			
ENSMUSP000 ROCK1	104474214	124347234	124477055		30833248.2		
ENSMUSP000 SCAMP3	93566365.6			101309227		116377696	
ENSMUSP000 SMC2	28785873.6			40992490		117994454	
ENSMUSP000 CNBP	98071020.1	46141487.4	24520484.3	270770338		169747771	3.91611
ENSMUSP000 LMBRD1	435588697	386352700	311019653	438026231	314627367	323950232	0.950257
ENSMUSP000 TTC13	202084830	291212669		166057952	337164647	113354802	0.833273
ENSMUSP000 KPNA1	64803293.9	41389687.5	33994345.4	29664742.8		7000671.54	0.392319
ENSMUSP000 CCM2	50068842.9	23366229.9	3784447.42				
ENSMUSP000 HSPA14	48050554.6	19833926.1	27156930.9				
ENSMUSP000 NPHP4	20471062.2	22652814.7	30872240				
ENSMUSP000 COPS7A	47135607.7	85546019.6	37893416.8				
ENSMUSP000 EXOC2	56594696.7	52877781.5	44109484.8				
ENSMUSP000 FAM188A	64487579.4	52810326.5	46198590.6				
ENSMUSP000 MLKL	81921831.3	112498625	46784263.6				
ENSMUSP000 ADAM15	113287695	139383543	50375031.1				
ENSMUSP000 ADAM17	63257599.1	47016546.7	60813981.7				
ENSMUSP000 PMM1	102888854	71556923.8	63337093				
ENSMUSP000 PAK2	93156739	94693551.6	64883280				
ENSMUSP000 CPNE3	65728547	49882576.3	68256687				
ENSMUSP000 TMC8	58292452	39806355.1	69672949.9				
ENSMUSP000 CUL4A	97821921.5	33529825.1	80635485.1				
ENSMUSP000 CYTH3	140487750	70167458.1	84868897.4				
ENSMUSP000 RAD23A	5084528.13	59690504.3	87769492.8				
ENSMUSP000 NAGK	69368291.8	34884083.9	88358325.3				
ENSMUSP000 TBCB	129919205	84077702.9	106743343				
ENSMUSP000 NUDCD1	148250744	73611892.3	115456389				
ENSMUSP000 RAB32	101807022	62087958.5	119286181				
ENSMUSP000 PDXP	271997603	201317740	134582550				
ENSMUSP000 AP2S1	272357660	130093591	210417247				
ENSMUSP000 ARL15	217297158	434524842	257837676				
ENSMUSP000 SLC5A6	373629859	196221880	259064089				
ENSMUSP000 REL1	339071394	494372630	311757268				
ENSMUSP000 CD47	864283797	148649109	889975776				
ENSMUSP000 CBR1	493324427	208130669	1277512451				
ENSMUSP000 H2-Q10	1148043148	782292520	1484267793				
ENSMUSP000 ITGA3	157461237	77497750.2	117455443	53609423			

ENSMUSP000 PLP2	3375609289		851906935	54286625.4				
ENSMUSP000 ZNRF2	150459877	116910504	111921245	978317595				
ENSMUSP000 NRXN2	41768189.6	76375049.4	42497291.1		15597926.1			
ENSMUSP000 TNFAIP8	45012813.9	60443716.2	72644208.9		39123699			
ENSMUSP000 SCARB2	115795061	23133589.7	37740001.5		61938105.3			
ENSMUSP000 PCM1			40480216.4	39891829.1	14678152.3			
ENSMUSP000 DDX21	26034250.8			77206738.3	164024492	39542116.4		
ENSMUSP000 SRSF2		457165438	252809163	1381370937	662063576	1046916896	2.90184	0.0941032
ENSMUSP000 GTPBP4	48524796.5		28959721.2	76305694.7		61378075	1.77692	0.134267
ENSMUSP000 41526	107241307	100880146	137856331	116084324	68948375.5	77565934.1	0.759004	0.206357
ENSMUSP000 NDRG3	109195635	100307654	84716767.7	76200085.5		6968420.99	0.424012	0.13133
ENSMUSP000 PHF5A	42079652.5	20399991.3						
ENSMUSP000 FAM171A1	65837666.1	35175037						
ENSMUSP000 STON2	36108323.7	41203573.5						
ENSMUSP000 PRIM1	29118504	43677546	27311731.2					
ENSMUSP000 USP6NL	285278549	82796677.7	33777332.1					
ENSMUSP000 ARL8B	38891507.3	35931757.9	42107880.6					
ENSMUSP000 DUSP3	21725302.5	53586252.3	44156805.9					
ENSMUSP000 GRB14	47914667.1	30278074.9	55304041.1					
ENSMUSP000 SBDS	108488177	101425870	77729734.4					
ENSMUSP000 PSMG3	92582547.1	94873355.7	88961558.5					
ENSMUSP000 ARRDC3	68537708.1	108720382	91450856					
ENSMUSP000 HMGB2	126308028	271478402	100237473					
ENSMUSP000 F3	188625987	81093183.1	113925397					
ENSMUSP000 ENOPH1	133868201	59889056	115302311					
ENSMUSP000 PSME2	72911767.9	83851055.8	150544960					
ENSMUSP000 PIP5K1C	100915759	164297550	151568372					
ENSMUSP000 H2-Q7	708160202	1525991900	1484267793					
ENSMUSP000 MRAS	152345453	128543867	73404610.3	9899561.1				
ENSMUSP000 TSPAN31	2907007634	69678930.5	253493782	46401877.2				
ENSMUSP000 H60B	506333708	402922312	209237481	201921268				
ENSMUSP000 MTPN	746896956	534570010	384551362	370853583				
ENSMUSP000 KRIT1	123749967	13390351	39136306.4	693875721				
ENSMUSP000 PFDN4	305522255	262809340	300220337		17180648.9			
ENSMUSP000 TESC	155659276	110862291	139715028		16181028.6			
ENSMUSP000 STAM2	110823438	46830601.9	193461787		45654887.3			
ENSMUSP000 DYNC1LI2	42167320.9		39934826	94425040.6		85106510.4	2.18669	0.00953468
ENSMUSP000 HNRNPA2B1				39864953.5	28525327.2	52311098		
ENSMUSP000 MCM3					46430743.6	54504057.3		
ENSMUSP000 ELAVL2	40369367.5			105661336	55518038.8	106122892		
ENSMUSP000 UROD		13132236.3		140741548	204117416	237773051		
ENSMUSP000 TRY4			422751985	431262407	531751169	643168302		
ENSMUSP000 MAN2B1		47391077.5	45913251.8	59746374.9	73089688.1	69677063.6	1.44697	0.0277695
ENSMUSP000 TMEM181B-P	138317695	178444430	213132683	140916442	138271108	42675336	0.607409	0.149056
ENSMUSP000 GM4980	135490640	76797891.4	99374935.9	55725268.5		38185999.7	0.451984	0.0897639
ENSMUSP000 NUDCD2	120161004	98386347.2	65742999.6	57109973.5		27213462	0.444915	0.108752
ENSMUSP000 SCAPER	241057259	536932737		255387200	30398594.6	84676422.5	0.317452	0.155757
ENSMUSP000 FARSB	121027867	251942323	79001928.2	39815975.3		26462631.4	0.219965	0.179644
ENSMUSP000 SLC8A1	68052362.6	45299714.1						
ENSMUSP000 STK39	118856110	46806797.7						
ENSMUSP000 CAPN2	37665122.1	86153513.5						
ENSMUSP000 UBE2O	40365158.2	22843609.9	8072554.46					
ENSMUSP000 SLC45A4	57893269.6		15467034.4					
ENSMUSP000 CAMK1D	52412146.2	23133129.3	23419245.6					
ENSMUSP000 IPO9	48778353.5	33312205.7	24575200.9					
ENSMUSP000 CRK	45887711	53435969.1	36758305.5					
ENSMUSP000 WDR37	68095565.7	32897087.5	42103465.2					
ENSMUSP000 HYAL2	99215408.8	38054971.1	43034527.6					
ENSMUSP000 PMVK	132238112	102196700	43928948.7					
ENSMUSP000 PLEKH02	55572280.2	54711046	45127840.4					
ENSMUSP000 IMPACT	64817867.1	72575813.8	52053950.4					
ENSMUSP000 FRMD8	58271701.7		58072320.6					
ENSMUSP000 ZFP259	49095332.4	54267148.5	65660644.5					
ENSMUSP000 OGFR	166662944	162646307	69548951					
ENSMUSP000 ITPA	192169123	155662518	109493085					
ENSMUSP000 ARMC6	96632593.4	87091175.3	113885453					

ENSMUSP000 DLG3	131959314	131442155	130173593					
ENSMUSP000 OXSR1	119537017	144870923	151888425					
ENSMUSP000 SLC5A3	98710765.1	161548980	194329289					
ENSMUSP000 ACYP1	337600922	341581712	288182127					
ENSMUSP000 LCMT1	54284438.2	51235322.7	57470361.5	31206939.4				
ENSMUSP000 SNRPB	41521999.7	25563558	42553460.1	32749647.4				
ENSMUSP000 GGA3	27420042.8	249467530		36284898.5				
ENSMUSP000 ZYX	31842756.7	11434820.5		104465915				
ENSMUSP000 LMNB1	5442494.45	629369203	57650394.4		9853757.96			
ENSMUSP000 RAF1	1200123712	210038994			31965847.1			
ENSMUSP000 USP4	58134948.9	9224161.13	28057258.2			71092541.2		
ENSMUSP000 ARL2	98234564.6		84931338.2			76098633.2		
ENSMUSP000 DNM1L				64298275.2	39475052.7			
ENSMUSP000 IGF2				257048354	259282805	76708871.4		
ENSMUSP000 NBEAL2					154001359	59504714.5	87243655.3	
ENSMUSP000 SRSF3			75098017.7	138418524		120394941		
ENSMUSP000 FAT1				110014271	152118015	131734364		
ENSMUSP000 FSTL4				33878876.5	22263504.3	253477455		
ENSMUSP000 HTR3A	117717744	104521993	81825400	44186291.9	47886865.1	0.454212	0.0268138	
ENSMUSP000 LMAN2		64308698.7	87280363.7		56654614.2	11249945.1	0.447951	0.241786
ENSMUSP000 SSRP1	127437381		59303536.4	39846960.1		22401565.9	0.333342	0.218735
ENSMUSP000 NDFIP1	127698241		68810135.2	24379424.6	10495574.6		0.177474	0.116196
ENSMUSP000 PVRL1	140830464		2029396337	164581189		91642425.8	0.118063	0.417787
ENSMUSP000 FIS1	49455785.1	8110831.94						
ENSMUSP000 DNAJC2	37965156.8	12905856.2						
ENSMUSP000 DOCK4	48555924.8	29696970.8						
ENSMUSP000 SMC4	48593712.4	34743919						
ENSMUSP000 LGR4	70984363.7	69421730.3						
ENSMUSP000 CPD	64495105.9	90881338.8						
ENSMUSP000 METAP1	145548076	109647449						
ENSMUSP000 LMLN	50067889.3	714941970						
ENSMUSP000 MYO5A	19921060.6	19875692.3	9544313.98					
ENSMUSP000 9330182L06RIK		16695453.8	17686794.6					
ENSMUSP000 PBK	44029444.9	37103613.7	17972065.4					
ENSMUSP000 TOMM34	19812111.9	8702873.16	22655349.2					
ENSMUSP000 PRKCD	28451955.2	38646251.7	25487967.4					
ENSMUSP000 MAPK8IP3	46134822.6	6295085.32	28047425.3					
ENSMUSP000 LGALS8	37377773.5	11463602.8	32084866.1					
ENSMUSP000 PTPRE	87105899	45669197.8	36875142.8					
ENSMUSP000 DPYSL4	115218898	85805484.8	37555245.2					
ENSMUSP000 RASAL3	33749524.1	3491461.98	38672095.7					
ENSMUSP000 TMC6	56230964.3		63524067.2					
ENSMUSP000 SH2B2	28539951.4	27848909.5	68505630					
ENSMUSP000 ATOX1	80029088.1	142023194	82623315.7					
ENSMUSP000 TMEM55B	17585549	78760099.3	86652406.1					
ENSMUSP000 UFC1	97663078.5	117384302	91602391.6					
ENSMUSP000 STK38L	11820412.4	194770381	101752496					
ENSMUSP000 SET	955134355		121676994					
ENSMUSP000 SYT7	108758682	23187425	128878501					
ENSMUSP000 CYTH1	118498037	105516477	137072625					
ENSMUSP000 PFDN2	145714034	226323552	138017392					
ENSMUSP000 ARPC5		95092637.7	235739278					
ENSMUSP000 AIFM2	23573010.3	84201132.6	237112988					
ENSMUSP000 LRRC1	204227297	37927461.3	309638357					
ENSMUSP000 AKR1C13	81890903.8	107354867	800617472					
ENSMUSP000 1700025G04R	51191983.6	138056255		12318745.7				
ENSMUSP000 8430419L09R	75798359.8	31227860.2	37693223	21441016.8				
ENSMUSP000 MPST	59249074.8	58957540.3		29884724.4				
ENSMUSP000 D630045J12R	58979323.9	33683592.4	60715322.7	36252063.1				
ENSMUSP000 PSD	43378126.9	69435490.6	18237662.2	48996428.4				
ENSMUSP000 TTC9B	73731236.6		63403848.1	55834426.1				
ENSMUSP000 NCDN	38645794.5	9798158.63		57598761.8				
ENSMUSP000 PDAP1	46494250.7	50179170.8		96755301.2				
ENSMUSP000 SERINC3	53437183.4	42104136.6	56765712.6		106404585			
ENSMUSP000 STK11	66618587.3	66000895.3	24817327.4			11948440.7		
ENSMUSP000 ARHGEF39	62683074.7	77079084.3	97001167.2			16413138.5		

ENSMUSP000 IQGAP3	12870976.2		81509580.1		24266549.3		
ENSMUSP000 CNN3	31951493.3	32161620.8			38542474.9		
ENSMUSP000 DKK1			74661621.6	287684906			
ENSMUSP000 MAGED2	15589096.5		27049427.9	20112027.8	13367651		
ENSMUSP000 MAN1A2			62345625.5		47840841.7		
ENSMUSP000 TAX1BP1			116156215		68162609.9		
ENSMUSP000 GM5616	13128263.4		58413812.3		77798663.3		
ENSMUSP000 ACACA			57543789.9		152671663		
ENSMUSP000 VMN1R24	1202496727		35596534.9		418030279		
ENSMUSP000 PRDM16	376698895		565986178	306968217	434353536		
ENSMUSP000 DNAHCTB		69773917.8	785252784	959588444	1128161147		
ENSMUSP000 BRE	68814777.3		43564495.6	59121862.7	42186273.1	0.901484	0.750649
ENSMUSP000 VAPA	98513329.6		72347960	76165643.5	36652882.6	78421052	0.746179
ENSMUSP000 TET1	51825841.2	127347585	151469388	111988234	20600293.6		0.601503
ENSMUSP000 AKR1B10	85169448.3		44651216		32646335.6	32765000.3	0.503859
ENSMUSP000 PRKAR2A	10493404.7	70710972					
ENSMUSP000 AHNAK	40850004.1	80644337.8					
ENSMUSP000 USP47		7536834.6	5337187.75				
ENSMUSP000 ARHGDIB	33639555.5	65840073.9	6299417.58				
ENSMUSP000 PLIN3	125557991	49763145.5	14997686.5				
ENSMUSP000 DOHH	45218595.4	45135449.4	16101070.1				
ENSMUSP000 GMPR2	77582043.9	41987667.3	17148069.8				
ENSMUSP000 ARHGEF10	50402224.7		17375282.7				
ENSMUSP000 ACBD6	44554300.8	44540552.3	19929816.6				
ENSMUSP000 PEX19	15198179.8		24443170.6				
ENSMUSP000 NOL3	49755986.6	56875436.9	27617770.2				
ENSMUSP000 BAG5	54759553.3	18119511.2	35272882.7				
ENSMUSP000 CMSS1	79908591.1	72008599	36060522.3				
ENSMUSP000 YBX3		56190903.3	37946193.6				
ENSMUSP000 BCAS1	106223585	11495571.8	39563686				
ENSMUSP000 DTX2	53111004.8	214620691	39739613.9				
ENSMUSP000 SPPL2B	71862518.2	43203769.2	40583123				
ENSMUSP000 CSNK2A2	59879666.2	40951234.8	41902217.2				
ENSMUSP000 ANKFY1		48759590.4	43458800.4				
ENSMUSP000 TMEM30A	97345084.9	13541763.8	45179989.9				
ENSMUSP000 9630033F20R	27297396.6	59950745.6	46775264.4				
ENSMUSP000 WDR6	59563672.4		56575135.8				
ENSMUSP000 CC2D1B	69359371.1	23527025.7	58506226.5				
ENSMUSP000 GM21970	58785937.3		60813927.4				
ENSMUSP000 SPR	54568955.5	143225757	67673424.8				
ENSMUSP000 CYB5B	111036815		70994225.6				
ENSMUSP000 GM7075	98472752.4	92706233.1	75854093.3				
ENSMUSP000 IFNAR2	54891790	55627220.3	76058072.4				
ENSMUSP000 PRMT7	100590822	48710757.7	76430319.8				
ENSMUSP000 BOLA2	200830095	57707824.3	95884225.6				
ENSMUSP000 NINJ1	71017652.3	113785991	112861725				
ENSMUSP000 SLC23A2	207860668	136874649	134404452				
ENSMUSP000 MVD	82408577.4	210259122	135143866				
ENSMUSP000 PEA15A	117847393	148537433	156874675				
ENSMUSP000 PPP1R14B	190130585	153065642	180156943				
ENSMUSP000 RHBDF1	170400752	70775741.3	204931901				
ENSMUSP000 VEGFA	273741875	33192536.6	227602108				
ENSMUSP000 PFN2	385735522	359190202	243693455				
ENSMUSP000 CRIP1	537005590	438382025	450473008				
ENSMUSP000 PEPD	106512703		565037691				
ENSMUSP000 PAFAH1B3	112422553	623497092	708341454				
ENSMUSP000 DNPH1	155958092	485053160	741408154				
ENSMUSP000 RAD23B	234678686	44846463.7	748160102				
ENSMUSP000 ZBTB8OS	215984505	247955576	145627216	30747874.7			
ENSMUSP000 F2R	201399827	56966798.8	119875905	36466792.7			
ENSMUSP000 BST2	28782024.4	229949132	255379396	38115495.4			
ENSMUSP000 TMEM198B	125990992		87263760.5	54625562.9			
ENSMUSP000 DYNLL2	183877554	82311331.2	95593585.6		31977464.3		
ENSMUSP000 SRRM1			433657534	558106587	41136086.5		
ENSMUSP000 SORT1				66320776.9		11421913.8	
ENSMUSP000 MCM7				105803681		19914581.3	

ENSMUSP000 SFPQ		136965805	33162326.8			
ENSMUSP000 SHCBP1	62403984.3	26606206.8	37722259.9			
ENSMUSP000 DNAJC3		11615538.6	62358886.3	60674639.9		
ENSMUSP000 LGALSL			84835493.9	43745173.7	64257460.9	
ENSMUSP000 ELAVL4			79348067.5	55518038.8	106122892	
ENSMUSP000 BRD9			132369722	202299356	112855746	
ENSMUSP000 HEXA		49370105.7	137944643		152088612	
ENSMUSP000 FGA			719999519		910533555	
ENSMUSP000 STRN3	28752383.4	24731489.9	43272569.2	60331354.7	1.93711	0.10362
ENSMUSP000 MAGOHB	55027305	52244138.6	72380235.9	14135040.7	0.806508	0.755916
ENSMUSP000 SH2D3C	24412149.7	15402768.3				
ENSMUSP000 FAM203A	28062630.7	30438067				
ENSMUSP000 FCHO2	57108493.2	35929867.9				
ENSMUSP000 SH3BGR13	82718483.5	87099342.9				
ENSMUSP000 GCLC	65029898.9	88390678.8				
ENSMUSP000 NAA20	96248661.6	101908090				
ENSMUSP000 IL6ST	204195727	158945302				
ENSMUSP000 RHOU	27555671.1	31582556.8	7270133.73			
ENSMUSP000 NPC1	47513882.7		11138243.1			
ENSMUSP000 MMP17	68033733.7	82060831.7	17179811.4			
ENSMUSP000 MTOR	23715416.9	6408650.36	18965876.9			
ENSMUSP000 EIF2A	23542612.8		19478048.3			
ENSMUSP000 PPP5C	29987869	35018443.5	20901418			
ENSMUSP000 CARKD	33988848.4	25565449.5	21101407.2			
ENSMUSP000 UBE4B	7516079.67		21576065.9			
ENSMUSP000 SLC39A14	22119436.2	76473175.1	22157783.5			
ENSMUSP000 PLEKHAS	532723875	1636786915	30358645.8			
ENSMUSP000 SORD	55962570.7		31290019.7			
ENSMUSP000 PACSIN3	41638509.7		31409127.9			
ENSMUSP000 SLC12A4		16508214.7	35461393			
ENSMUSP000 RNF114	36543619.8	24863369.1	36313700.1			
ENSMUSP000 NAE1	35407635.9	35962668.2	37436554.8			
ENSMUSP000 CUL1	40882601.6		38388054			
ENSMUSP000 TMEM87A	17049242.8	37627557.6	42624342.5			
ENSMUSP000 CHP1	106980464	72568660.2	44253494.6			
ENSMUSP000 OLFM1	76609793.6	51854271.3	45199910.4			
ENSMUSP000 ARIH1		83139696.1	48728856.2			
ENSMUSP000 LRRC40	43434126.7		56982888.3			
ENSMUSP000 CD59A	151008324	54169241.5	57518552.2			
ENSMUSP000 PTEN	18223490.1		59727804.2			
ENSMUSP000 PGP	49424763.1	78203269.8	69831103.9			
ENSMUSP000 RASA1	47316802		82937022.9			
ENSMUSP000 GIPC2	56840599	21226963	85835360.1			
ENSMUSP000 MTUS1	70207876.3	62550105.2	88650147.3			
ENSMUSP000 BCAR1	77610858.9		104053512			
ENSMUSP000 GSTZ1	109589052	109178515	152094670			
ENSMUSP000 TRMT112	271965297	215707841	211426986			
ENSMUSP000 SLC19A2	202069325	121145236	229392912			
ENSMUSP000 PIN4	224906976	128297846	311739909			
ENSMUSP000 CACNG3	311910991	9041680.36	313775754			
ENSMUSP000 GM21885	669001656		332337575			
ENSMUSP000 COTL1	243439276		408449213			
ENSMUSP000 SUMO3	787392343	700447096	494347432			
ENSMUSP000 NUDT16L1	59096984		679737851			
ENSMUSP000 IRS2	24265142.5		17018472.4	33941488.9		
ENSMUSP000 UBQLN1	73936587.3	48597667.9		47123936.5		
ENSMUSP000 GPRIN1	30717700	13320134.4		64397245.7		
ENSMUSP000 GPX1	58946160.7	42085901	33590817.6	92202064.5		
ENSMUSP000 SYP		18822852.3	16179719.1	163494398		
ENSMUSP000 UBA6	34187735.1	23792790.3		7788662.55		
ENSMUSP000 MTMR2	109050949	39154618.8	31524017.9		27956743.8	
ENSMUSP000 SLC25A4	55151919.9	34304963.6	84206182.9		26308920.1	
ENSMUSP000 ILF2	54251449.9		29461845.7		28512255.4	
ENSMUSP000 SETD3		12817881.8	200693801		67342391.2	
ENSMUSP000 NDFIP2	80158847.4		39401118.6		67360512.9	
ENSMUSP000 CANT1		35102470.2		43120377.9	25250660.3	

ENSMUSP000 HERC1		45831336.7	45350136.5	27118658.4		
ENSMUSP000 DYNC2H1		41788492.3		43845576.1		
ENSMUSP000 SH3KBP1	36916036.4	12568569.9		46437259.5		
ENSMUSP000 TRY10			20865226.9	124213598		
ENSMUSP000 COL4A1		114376037		146434186		
ENSMUSP000 MAN1C1	21286900.8	71078851.1		162750968		
ENSMUSP000 TRA2B			53654523.3	277705134		
ENSMUSP000 TCP11L2	3252176691	2080363956		3223372059		
ENSMUSP000 SLC7A14	24965922.1	21549902.1	75052455.4	31770368.4	2.29648	0.299274
ENSMUSP000 PPP6R3	31551150.4	27373055.5	14999023.5		32132651.5	0.79987
ENSMUSP000 PTPN23	18414474.3	10236743.3				
ENSMUSP000 PACS1	21813986.5	12735065.2				
ENSMUSP000 PANX1	20102433.5	14924490.1				
ENSMUSP000 FER	40638571.6	28599887.2				
ENSMUSP000 GEMIN5	21530558.3	42834963.7				
ENSMUSP000 NRCAM	31339005.5	42912518.8				
ENSMUSP000 CLCN3	45623222.7	62726151.1				
ENSMUSP000 HINT3	132163542	76135656.9				
ENSMUSP000 GUK1	46906696.2	78291108.3				
ENSMUSP000 PFDN1	183229444	78465679.9				
ENSMUSP000 PIN1	178774782	100358747				
ENSMUSP000 EIF4EBP1	288053204	122789006				
ENSMUSP000 WIPF3	20446578	7352661.32	12712171.6			
ENSMUSP000 DAGLB	34717608.7	24908206.2	14694341.3			
ENSMUSP000 GCH1	62738917.6	27516498.1	17072456.1			
ENSMUSP000 NMRAL1	98759613.8		17858381.5			
ENSMUSP000 POLR2H	32605934.5		19632848.2			
ENSMUSP000 INPP1	34168114.5	21453405.9	19969205.3			
ENSMUSP000 41523	46601747.7	18607288.9	20179814.4			
ENSMUSP000 SH2B1	82909900.1	54228429.2	28691824.6			
ENSMUSP000 GM10053	30858871		29467221.8			
ENSMUSP000 ICOSL	62389610.4	44614740.5	32376536.9			
ENSMUSP000 DPYSL5	42162420.2	18879078.6	32966725.4			
ENSMUSP000 C1QL1	38716534.8		34583717.2			
ENSMUSP000 ABCF1	41943280.2		36207029.5			
ENSMUSP000 BRI3BP		9473203.68	39466022			
ENSMUSP000 UBE2H		20140143.2	39703101			
ENSMUSP000 SH3BGRL	49574703.1	54043081.2	44453856.7			
ENSMUSP000 TPD52		62075715.5	47904785.8			
ENSMUSP000 RNF150	84418444.6	64525945.1	50134643.8			
ENSMUSP000 CAR12	39194005.2	31130011.2	50991731			
ENSMUSP000 TMEM165	82035369.4	40545978.6	56702375.5			
ENSMUSP000 SLIT3	191140485		58464794.7			
ENSMUSP000 NUBP1	26550736.9		63241929.3			
ENSMUSP000 ATP6AP1	57795248.9	50901803.6	66291322			
ENSMUSP000 GAR1	118869403	83665827.3	69048199.7			
ENSMUSP000 EMC8	70643141.4	48875643.5	71083640.8			
ENSMUSP000 41521	69693192.7	14697266.8	71225420.5			
ENSMUSP000 PSMD7	195105093	131116848	148803321			
ENSMUSP000 RPA3	36373707.4	245971090	157498785			
ENSMUSP000 GORASP2		20848717.8	196418957			
ENSMUSP000 CDIP1	226254687	177887147	199691961			
ENSMUSP000 S100A6	372845631	363727324	317115599			
ENSMUSP000 GM5591	2250591293	117126475	676278405			
ENSMUSP000 LRRC47	13901634.7		20169526	24462656.8		
ENSMUSP000 TMED4	77002191.4		33247106.5	52354130.8		
ENSMUSP000 HNRNPM	61602263.2		37740311.9	52826395		
ENSMUSP000 TRAF4	17334596.2		16890573.3	432417149		
ENSMUSP000 UCHL5	13012260.4		68225884	15176489.6		
ENSMUSP000 ITFG1	42501475		108491546	51637451		
ENSMUSP000 SEC22B	29883347.4		13265841.8	60435938.9		
ENSMUSP000 COPS6	131104728		100528024		40337411.9	
ENSMUSP000 PHPT1	150977186	144759641	153776095		47866079.4	
ENSMUSP000 RWDD1		17878312.8	303272609		103845574	
ENSMUSP000 THSD1			10075732.7	21948441.4		
ENSMUSP000 CCDC50			71075934.4	72540554.1		

ENSMUSP000 DYNC1I2	32104163		33470500	10062120.9
ENSMUSP000 MAN2A1	111680922		8625121.29	15283785.1
ENSMUSP000 P4HB			38721628.1	27182667.9
ENSMUSP000 GPRASP1			45119261.6	53108150.5
ENSMUSP000 GM10068			117260435	54564534.1
ENSMUSP000 NOP58			118874763	62006627.5
ENSMUSP000 PLD3	79521887		95382059.6	62960222.7
ENSMUSP000 IGFBP2			39720217.6	75820014.6
ENSMUSP000 IGHM			108226362	134719365
ENSMUSP000 CCDC170		1265379739	4965475.23	394285594
ENSMUSP000 DENR	32074999	1532968.39		
ENSMUSP000 PPIH	63394790.5	4242053.02		
ENSMUSP000 PREPL	26258192.9	6450586.86		
ENSMUSP000 PPP1R16B	35587554.6	8547815.79		
ENSMUSP000 ENY2	32590146.4	9036580.21		
ENSMUSP000 PLCG1	11722073.9	15807675.7		
ENSMUSP000 AP3D1	14789130.9	22755229.2		
ENSMUSP000 TLDC1	34792731.2	24090912.5		
ENSMUSP000 SRP72	40930350.4	26263012.7		
ENSMUSP000 ELMO2	75735554.1	48878256.8		
ENSMUSP000 AHSA2	31848421.8	81142027.5		
ENSMUSP000 IMPA2	71744368.6	102384502		
ENSMUSP000 NIF3L1	36043760.4	10812653.3		
ENSMUSP000 HPCA	26834875.6	10926558.8		
ENSMUSP000 MILR1	51699701.7	13337396.7		
ENSMUSP000 AGAP1	46088221.1	18298083.5		
ENSMUSP000 SPAST	32932915.6	24290588.7		
ENSMUSP000 PKP4		20816165.4	25717332.2	
ENSMUSP000 STARD5	33739027.6		27240702	
ENSMUSP000 SNRPA1	21886925.7		28395621.4	
ENSMUSP000 RABL5	18075645.7		28934848.9	
ENSMUSP000 SLC16A12	38919131.8	25849571.8	31171352.8	
ENSMUSP000 FAM171A2	33064116.7	24064107.9	31326396.9	
ENSMUSP000 TSNAX		41596408.5	37238447.8	
ENSMUSP000 FAM171B		43330896.8	42399549.8	
ENSMUSP000 LMTK2		44683148.4	43016194	
ENSMUSP000 HDDC2		109312978	43766258.2	
ENSMUSP000 MPP1	95805339.7		45814283.6	
ENSMUSP000 JOSD1		38792274.5	46031231.5	
ENSMUSP000 SYPL	80308683.6	56271251.9	47400587	
ENSMUSP000 UBAC1	37646524	85737146.9	53630323.1	
ENSMUSP000 PPM1H	73391366.4		56135729.3	
ENSMUSP000 GRHPR	272570293	127369722	162902981	
ENSMUSP000 MIEN1	233286984		241558553	
ENSMUSP000 CCDC137	560698684	350854140	258102923	
ENSMUSP000 EPHX1		6489735306	7394012410	
ENSMUSP000 MRTO4	47232818.2	137653878	8145116.22	
ENSMUSP000 BAG2	179026620		9332267.11	10091792.3
ENSMUSP000 ATE1	15068305.6		19683311.7	18198819
ENSMUSP000 TSR1	56971242.6	17390472.7		23613415
ENSMUSP000 TWF2	16790697.4	20502488.4		24668807.6
ENSMUSP000 PELP1	32001420.8		25199096.9	63911075.5
ENSMUSP000 PSME3	28061613.8	48699302.8		192484212
ENSMUSP000 GPD1L	27369711.9		12466529.8	
ENSMUSP000 CRNKL1	402928752		296182497	
ENSMUSP000 SRRT			294912335	231113316
ENSMUSP000 ZKSCAN7			492484442	11360875.1
ENSMUSP000 TMEM176B			46411072.4	24442941.7
ENSMUSP000 CRTAP			72948388.8	50981759.4
ENSMUSP000 UBXN2B			54983493	71115283.9
ENSMUSP000 BEND6				249997276
ENSMUSP000 SEPSECS			280412697	136418761
ENSMUSP000 FAM63B	18554106.8	13418415		548165192
ENSMUSP000 MSTO1	17724968.6	14672336.9		
ENSMUSP000 GM17296	22447575.7	17462793.7		
ENSMUSP000 NUMB	35183764.5	18165318.9		

ENSMUSP000 CHM	51421217.7	18436925.7
ENSMUSP000 SNX27	43603056.2	28142668.8
ENSMUSP000 XIRP1	35544482.8	34161260.5
ENSMUSP000 AIP	20223740.8	36430458
ENSMUSP000 PSMB8	88264831.2	47142955.6
ENSMUSP000 DIS3L2		128738689 2954423.87
ENSMUSP000 EPN2		5059047.12 5997356.77
ENSMUSP000 TGOLN1	99509845.9	9494937.04
ENSMUSP000 NAA50	34553088.7	12783035.4
ENSMUSP000 RAPH1		29220849 13053565.6
ENSMUSP000 PPM1F	18763893	13540120.7
ENSMUSP000 TXNIP		69725102.8 14373505.2
ENSMUSP000 DYNLT1A		33128793.5 21133062.2
ENSMUSP000 MAP2K4	51206323.1	25479453
ENSMUSP000 ANP32E	45346158.5	26486033.7
ENSMUSP000 NISCH	11765154.4	30632376.1
ENSMUSP000 CTSA	45199134.1	31531900.1
ENSMUSP000 APH1B		30836886 33413345.7
ENSMUSP000 CRHR2		13667654.2 35452142.7
ENSMUSP000 AP1M1	116951333	36300701.1
ENSMUSP000 ARHGAP12	21795162.3	36641288.8
ENSMUSP000 UBA5	76914826.2	36844163.4
ENSMUSP000 N6AMT2	102580780	37837534.6
ENSMUSP000 SNRPA	51192709.4	43255306.3
ENSMUSP000 SPRYD7	20218646.9	51343269.6
ENSMUSP000 NUP43	52045113.1	53036179.5
ENSMUSP000 PSMD10	142652349	53290601.6
ENSMUSP000 CD40	159962364	87535651.1
ENSMUSP000 AGFG1		86465442.8 105599446
ENSMUSP000 NTMT1	79117467.6	107715015
ENSMUSP000 TMEM237		174178373 134993671

Supplementary Table S2

		LOG2(Opti/Pre)	p value
Proteins expressed at similar levels	CD9	0.34698334	0.1254
	PDCD6IP	0.18781045	0.1348
	ACTC1	0.79561172	0.0038
	ACTBL2	0.97601524	0.0025
	TUBA1A	0.35868706	0.012
	TUBB5	0.35863012	0.0218
	TUBB2B	0.40317394	0.0207
	TUBB2A	0.40317394	0.0207
	TUBB4B-PS1	0.48104223	0.016
	TUBB4A	0.49576731	0.0208
	TUBB6	0.59827089	0.0071
	HSPA8	0.60137748	0.022
	HSP90AB1	0.62746257	0.0066
	HSP90AA1	0.63080095	0.0059
	EEF1G	-0.3694663	0.0015
	EIF4A2	-0.6890052	0.0188
	EIF4A1	-0.453238	0.0131
	EEF1B2	-0.6967296	0.0457
	EIF3B	0.68186255	0.0205